

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>State Le. #ML - 22208</b>
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -- --
2. NAME OF OPERATOR <b>Atlantic Richfield Company</b>		7. UNIT AGREEMENT NAME -- --
3. ADDRESS OF OPERATOR <b>501 Lincoln Tower Building, 1860 Lincoln St., Denver, Colo. 80203</b>		8. FARM OR LEASE NAME <b>ARCO - STATE</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <b>SE NW NW - 769' f/North &amp; 857' f/West lines Sec. 2</b> At proposed prod. zone <b>Approx same</b>		9. WELL NO. <b>2 - 2</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT <b>Field not designated</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>769'</b>	16. NO. OF ACRES IN LEASE <b>Total 1094.36 ac</b> <b>Sec. 2 640.20 ac</b>	11. SEC., T., R., M., OR SLE. AND SURVEY OR AREA <b>Section 2-168-24E, S1B&amp;M</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>4224' f/ proposal in NE SE</b>	19. PROPOSED DEPTH <b>7250'</b>	12. COUNTY OR PARISH <b>Grand</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>7886' GL, ungraded</b>		18. STATE <b>Utah</b>
23. PROPOSED CASING AND CEMENTING PROGRAM		17. NO. OF ACRES ASSIGNED TO THIS WELL <b>Not spaced - anticipate 320 ac</b>
		20. ROTARY OR CABLE TOOLS <b>Rotary</b>
		22. APPROX. DATE WORK WILL START* <b>Start loc when appl rec'd Est. 5/23/75</b>

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	32.3#	300'	300 sx (Cement to surface)
8-3/4"	7"	20#	3650'	200 sx
6-1/4"	4-1/2"	10.5 & 11.6#	T.D.	250 sx

Propose to drill well to depth sufficient to test the Dakota-Cedar Mountain. Anticipated formation tops are: Castlegate 3370', Mancos 3475', Dakota Group 7000', Cedar Mountain 7180'. Plan to set 9-5/8" casing at approx 300' and cement to surface; Drill out of surface with "air"; if water is not encountered, drill to TD with "air"; if water is encountered (probably in the Castlegate), will set 7" intermediate casing at depth sufficient to shut off water, drill out and drill to T.D. with "air", hole conditions permitting; Log; If productive, set 4-1/2" casing with sufficient cement to protect all zones; Perforate, treat if necessary, and complete.

Blowout Preventer - Will use Ser. 900 (3000#WP, 6000#T) double ram, hydraulic operated Cameron or Shaffer, or equivalent. Rotating head, 10" 3000#WP, 6000#T, to be used above BOP for air drilled part of hole. BOP Will be tested to 1000# before drilling out of casing string(s), and operational checks will be made daily and on trips. Fill line and choke line to be 3000#WP, or greater, connected below rams on BOP.

Certified location plat, attached. 3 cc: USGS, Salt Lake

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED W.A. Walther, Jr. TITLE Dist. Prod. & Drlg. Supt. DATE 5/9/75

(This space for Federal or State office use)

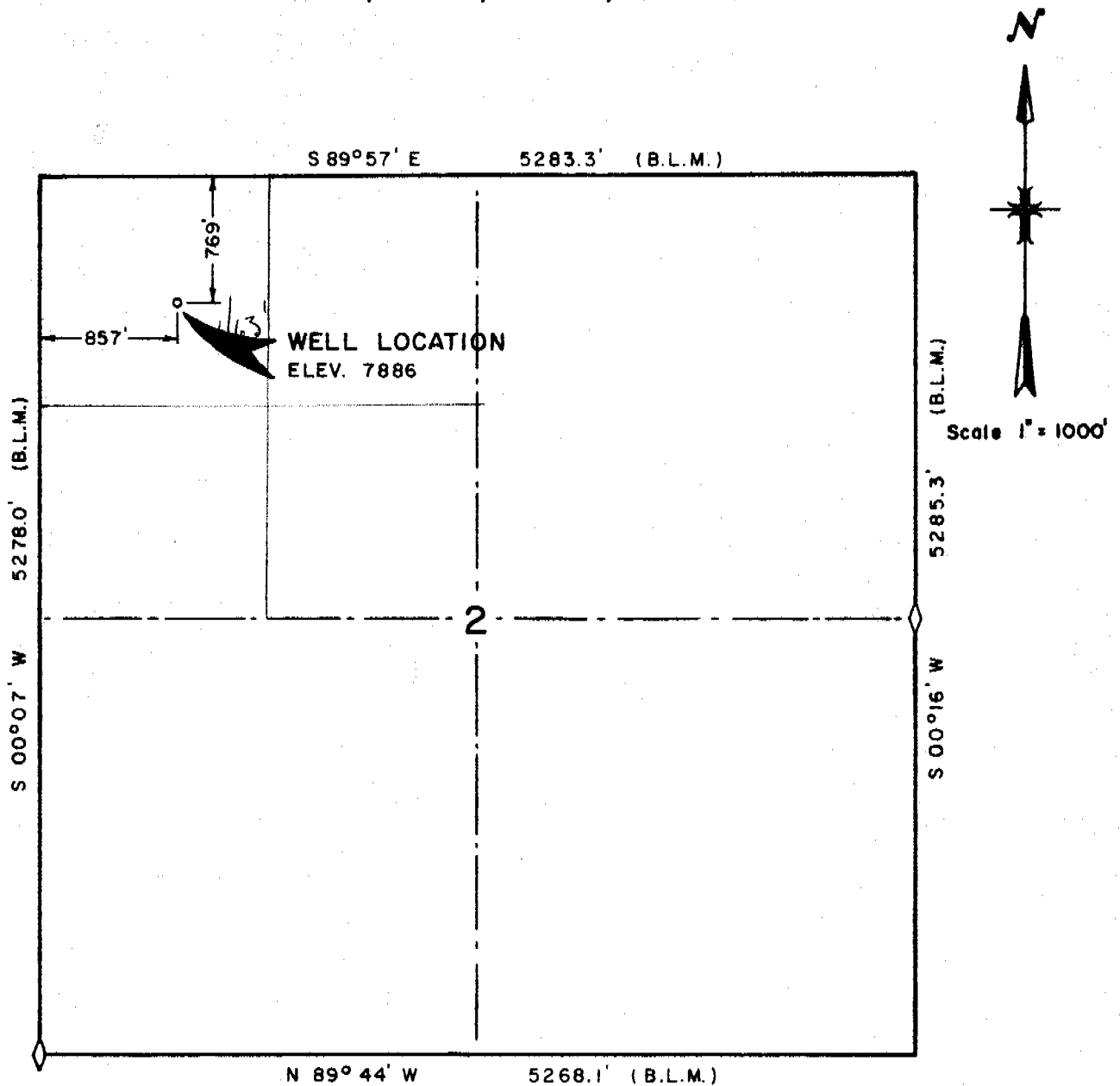
PERMIT NO. 43-019-30241 APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*Drill Unit #1 Zone II*

**WELL LOCATION**  
 857.0 FT. E.W.L. - 769.0 FT. S.N.L.  
 SECTION 2, T 16 S, R 24 E, S.L.B. & M.



I, David L. Bear do hereby certify that this plat was plotted from notes of a field survey made under my direct responsibility, supervision and checking on Apr. 29, 1975.

*David L. Bear*  
 Registered Land Surveyor

**WESTERN ENGINEERS, INC.**  
 WELL LOCATION  
 ATLANTIC RICHFIELD CO.  
 ARCO STATE 2-2  
 GRAND COUNTY, UTAH

SURVEYED D.L.B. DRAWN R.W.Q.  
 GRAND JUNCTION, COLO. 4/30/75

DIVISION OF OIL, GAS, AND MINING

\*FILE NOTATIONS\*

Date: 5-13-75  
Operator: Atlantic Richfield  
Well No: ARCO-State 2-2  
Location: Sec. 2 T.16S R.24E County: Grand

File Prepared

☒

Entered on N.I.D.

☒

Card Indexed

☒

Completion Sheet

☐

Checked By:

Administrative Assistant:

[Signature]

Remarks:

Petroleum Engineer/Mined Land Coordinator:

7

Remarks:

Director:

7

Remarks:

Include Within Approval Letter:

Bond Required

☐

Survey Plat Required

☐

Order No.

149-1

☒

Blowout Prevention Equipment

☐

Rule C-3(c) Topographical exception/company owns or controls acreage  
within a 660' radius of proposed site

☐

O.K. Rule C-3

☐

O.K. In

Unit

☐

Other:

☐☒

Letter Written

May 15, 1975

Atlantic Richfield Company  
501 Lincoln Tower Building  
1860 Lincoln Street  
Denver, Colorado 80203

Re: Well No's:  
Arco State #2-1, Arco State #2-2  
Sec. 2, T. 16 S, R. 24 E, SLBM  
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 149-1, dated March 14, 1973, as follows:

Arco State #2-1 - Drilling Unit #2, Zone II  
Arco State #2-2 - Drilling Unit #1, Zone II

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

CLEON B. FEIGHT - Director  
HOME: 466-4455  
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API numbers assigned to these wells are:

State #2-1: 43-019-30240  
State #2-2: 43-019-30241

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT  
DIRECTOR

CBF:dw

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION  
1588 WEST NORTH TEMPLE  
SALT LAKE CITY, UTAH 84116  
328-5771

State Lease No. ML-22208  
Federal Lease No. \_\_\_\_\_  
Indian Lease No. \_\_\_\_\_  
Fee & Pat. \_\_\_\_\_

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE Field Not Designated  
(San Arroyo Area)

The following is a correct report of operations and production (including drilling and producing wells) for the month of:  
August 19 75

Agent's Address 501 Lincoln Tower Building Company ATLANTIC RICHFIELD COMPANY  
1860 Lincoln Street Signed W A Walling  
Denver, Colorado 80203 Title Dist. Prod. & Drlg. Supt.  
Phone No. A/C 303 573-3500

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NE SE Sec. 2	16S	24E	2-1	0	- Waiting on connection. Well completed 8/13/75. attached to Form OGCC-3.					Details of drilling and completion
NW NW Sec. 2	16S	24E	2-2	0	- Waiting on completion. attached.					Details of drilling and casing strings

GAS: (MCF)

Sold \_\_\_\_\_  
Burned/Vented \_\_\_\_\_  
Lost On/Off Lease \_\_\_\_\_

OIL or CONDENSATE: (To be reported in Barrels)

On hand at beginning of month \_\_\_\_\_  
Produced during month \_\_\_\_\_  
Sold during month \_\_\_\_\_  
Unavoidably lost \_\_\_\_\_  
Reason: \_\_\_\_\_  
On hand at end of month \_\_\_\_\_

7-22-75		RURT. Probably spud today.	
7-23-75	150'	Drlg sd & sh. 1/4° @ 140'. 90 RPM. Mud: 8.9#, 45 vis. B#1, Reed, RR, 150' in 11-1/2 hrs. SPUD 12-1/4" hole @ 8 p.m. 7/22/75	\$ 6,860
7-24-75	293'	Prep to run 9-5/8" csg. 3/4° @ 270'. 90 RPM. Mud: 8.9#, 50 vis. B#1, Reed, RR, 0-293', 293' in 32-1/2 hrs.	\$ 8,490
7-25-75	293'	WOC. Ran 6 jts (274") 9-5/8" OD csg 36# H-40 8RD Rg 3 LT&C, set @ 290' KB. KB to GL 12'. Cmt'd w/165 sx reg Cl "G" 2% CaCl <sub>2</sub> . Circ'd plug dn @ 8:40 a.m. 7/24/75. WOC. Nipped up. Tested BOP & csg @ 1000# f/30 min, held OK.	\$ 15,431
7-26-75	650'	Drlg. 3/4° @ 560'. 55 RPM. B#2, Reed, YTIT, 293-357, 66' in 23 hrs. Still drlg.	\$ 19,501
7-27-75	1050'	Drlg sd & sh. 3/4° @ 820'. 55 RPM, 10M#. B#2, Reed, YTIT, 293', still drlg	\$ 24,061
7-28-75	1900'	Drlg w/air-dusting. 3/4° @ 1600-1800. 50 RPM, 8-10M#. B#2, Reed, YTIT, 293-1053, 760' in 47 hrs. B#3, HTC, J-44, in @ 1053', drlg. 847' in 20-3/4 hrs. Hit wtr @ 1638', last 262' wet.	
7-29-75	2495'	Drlg-Misting. 1° @ 2150', 1-1/2° @ 2450'. 50 RPM, 10M#. B#3, HTC, J-44, in @ 1053', 1442' in 42 hrs.	\$ 40,530
7-30-75	3150'	Drlg-Misting. 1-1/4° @ 2750', 1-3/4° @ 3050'.	\$ 48,000
7-31-75	3250'	Rmg & CO hole @ 1504'. Mudded up @ 3250'. Mud: 9.1#, 52 vis, 8.0 WL, 2/32 FC, Ph 10.5, LCM 10%. 60 RPM, 1400#. B#3, HTC, J-44, 1053-3250, 2197' in 67-1/4 hrs. HTC, ODV, going in.	\$ 52,584
8-01-75	3250'	Reaming & CO hole @ 1576'. Yest report SB: Rmg & CO @ 1144'. Reamed & CO 432' last 24 hrs. Mud: 9.1#, 47 vis, 8.0 WL, 2/32 FC, Ph 11, 10% LCM	\$ 55,875
8-02-75	3250'	Reaming & CO @ 1856', 280' last 24 hrs. Mud: 9.5#, 55 vis, 8 WL, 2/32 FC, Ph 10, 5% LCM	\$ 59,264
8-03-75	3250'	Reaming & CO @ 2130', 274' last 24 hrs. Mud 9.8#, 54 vis, 8.0 WL, 2/32 FC, Ph 9, LCM - nil.	\$ 62,399
8-04-75	3250'	Reaming & CO @ 2350', 220' last 24 hrs. Mud: 9.5#, 44 vis, 7 WL, 2/32 FC, Ph 9, 2% oil	\$ 65,537
8-5-75	3250	TD - Reaming & CO @ 2504', 154' last 24 hrs. Mud: 9.6#, 45 vis, 7 WL, 2/32 FC, Ph 10, 6% LCM, 2% oil	\$ 68,809
8-6-75	3250	TD - Reaming & CO @ 2716', 212' last 24 hrs. Mud: 9.6#, 47 vis, 7 WL, 2/32 FC, Ph 10, 2% oil. 1/2° @ 2520'	\$ 75,876
8-7-75	3250	TD - Reaming & CO @ 2930', 214' last 24 hrs. Mud: 9.6#, 43 vis, 6 WL, 2/32 FC, Ph 10, 2% oil	\$ 79,676
8-8-75	3250	TD - Reaming & CO @ 3110', 180' last 24 hrs. Mud: 9.5#, 45 vis, 6 WL, 2/32 FC, Ph 10, 2% oil	\$ 83,401
8-9-75	3250	Circ'g for DST. Reamed to 3250', 140' last 16 hrs. 1-1/2° @ 3120'. Mud: 9.6#, 58 vis, 7 WL, 2/32 FC, Ph 10, 2% oil	\$ 87,380
8-10-75	3348	Drlg sd & sh. DST #1, 3220-3250', Castlegate, 5/8" BHC, no WC. Open 5 min w/ gd blow; SI 35 min; open 30 min w/GTS in 20 min, 20 to 73 MCF; SI 30 min; 30 min final flow, 53 to 116 MCF; 45 min FSIP. Rec'd 150' GCDH. Sampler: 150#, gas only in sampler. 5 min IF, 34-39#; 35 min ISIP 299-311# 30 min 2nd flow 56-56# w/hump to 107# in middle; 30 min 2nd SI 306-316#. 30 min PF 39-144#, 45 min FSIP 306-316 & still barely building. IH 1627# FH 1640#, BHT 1800? (too high) Mud: 9.6#, 51 vis, 5.0 WL, 2/32 FC, Ph 9, 2% oil, 7% LCM. 60 RPM, 18M#. B #14, Smith, DGTHJ, in @ 3250' & drlg, 98' in 11 hrs.	\$91,452
8-11-75	3500	RU, prep to log. Mud: 9.7#, vis 60, WL 6, 2/32 Ph 11, 2% oil, 5% LCM. B #14, Smith, DGTHJ, 3250-3382', 132' in 14-1/2 hrs. B #15, Smith, DGTHJ 3382-3500', 118' in 10-1/2 hrs.	\$96,252

8-12-75	3500	WOC. Fin RU SCH and ran SP DIL, CNL & FDC w/GA Cal. SCH TD 3486'. Top Castlegate @ 3210'. Ran 87 jts, 3,509.86' of 7", 20# J-55, ST&C R 2 & 3 N csg set @ 3492' RKB. Cased w/200 sx 50/50 poz & 2% CaCl2. PD at 2:30 A. M. 8/12/75. No cent. Diff fill collar & guide shoe. Good returns thruout.	\$133,966
8-13-75	3500	GIH, blowing dry w/air @ 2800'. Set slips & cut off csg. Nip'd up to drill w/air. Chg'd 4-1/2" to 3-1/2" DP. Tested csg & BOP @ 1000# for 1 hr, held ok.	\$136,871
8-14-75	3820	Drlg w/air. 1" @ 3600'. Top of cmt plug @ 3430'	\$ 141,319
8-15-75	4370	Drlg w/air. 1-3/4" @ 3495', 1-3/4" @ 4255'.	\$147,589
8-16-75	5010	Drlg w/air, sh. 2-3/4" @ 4580' & 4850'. 50 RPM, 10M#. B#17, Reed, FP 72, in @ 3889' & drlg 1121' in 38-1/2 hrs.	\$145,985
8-17-75	5410	Drlg w/air. 5-3/4" @ 5150'. 50 RPM, 8M#. B#17, Reed, FP 72, 3889-5033', 1147' in 39.5 hrs. B#18, HTC, J-44, in @ 5033', 377' in 18-1/4 hrs.	\$150,545
8-18-75	5830	Drlg w/air, sh. 6-1/4" @ 5420, 8-1/4" @ 5730'. 50 RPM, 6M#. B#18, HTD, J-44, in @ 5033' & drlg 797' in 40-3/4 hrs.	\$155,333
8-19-75	6050	Drlg w/air, sh. 8" @ 6030'. 50 RPM, 3M#. B#18, HTC, J-44, 5033-5841', 808' in 41-1/2 hrs. B#19, Smith, F-4, in @ 5841' & drlg, 209' in 18-1/2 hrs.	\$157,84
8/20/75	6350	Drlg w/ air, shale 7" @ 6340' 50 RPM, 3M#. B #19, Smith, F-4, in @ 5841 & drlg, 509' in 42 hrs.	
21	7005	Drlg w/ air, Dakota Silt, ST @ 6990. 7 @ 6657, 7-1/2 @ 6920. 50 RPM, 5M#. B #19, Smith, F-4, in @ 5841 & drlg, 1164' in 64-1/2 hrs.	
22	7250	TD - Running Fm. Density log. Have run Ind-GR and Side Wall Neutron B #19, Smith, F-4, 5841-7250', 1409' in 73-3/4 hrs.	
23	7250	TD - Prep to run 4-1/2" casing. Finished Fm. Density log. LD DP.	
24	7250	TD - WOC. TDRT. Ran 4-1/2" casing: 37 jts 11.6# K-55 8rd LT&C R-2 N 1099.55' 163 jts 10.6# K-55 8rd LT&C R-3 N 6047.76' 7147.31'	
		Set at 7147.33'KB w/ 100 sx 50-50 Poz + 2% gel, .2% D-13 & .2% D-65, prec w/50 BM & 10 EW, plug down w/ 500# @ 4:00 p.m. 8/23/75. Filled annulus w/ drlg mud, set slips w/ 60,000#. Rig rel 8 p.m. 8/23/75.	
25	7250	TD - Prep to MORT	
26	7250	TD - TD & MORT	
27	7250	TD - MORT	

Will move in completion unit when rotary is off. Anticipate 8/29 or 30/75.

9

8/21/75

Bo

ATLANTIC RICHFIELD

San Arroyo

ARcho State #2-2

Sec. 2, T. 16 S., R. 24 E.

Grand County, Utah

Surface casing set at 9 5/8 at 289. Cemented from top to bottom.  
7" intermediate 20# string at 3492', with 200 sacks of cement.

Show at the Castle Gate, 3400'. With mud, permanent bridge plug  
3480'.

Filled 7250 to intermediate string with mud, Manchos shale. Intend  
to plug at the bottom of the hole. Tested Castle Gate, no water shows.

Abandon lower hole, 50' plug in and 50' out of the surface. Will  
leave bottom hole full of mud. Were drilling with air.

STATE OF UTAH

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

## OIL &amp; GAS CONSERVATION COMMISSION

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. State Lse - #ML-22208	
2. NAME OF OPERATOR Atlantic Richfield Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
3. ADDRESS OF OPERATOR 501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colorado 80203		7. UNIT AGREEMENT NAME -	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NW - 769' f/North & 857' f/West lines Sec. 2		8. FARM OR LEASE NAME ARCO-STATE	
14. PERMIT NO. Mr. Feight 5-15-75		9. WELL NO. 2-2	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7886' GL, ungraded		10. FIELD AND POOL, OR WILDCAT Field not designated	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 2-16S-24E SL&M	
		12. COUNTY OR PARISH Grand	
		13. STATE Utah	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Spud &amp; set surface casing</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spud 12-1/4" hole, 8 P. M. 7/22/75. Drld 12-1/4" hole to 293'. Set 6 jts, 27 1/4', 9-5/8" OD, 36#, H-40, 8rd LT&C, Range 3 Casing @ 290' KB, cemented with 165 ax reg Cl "G" w/ 2% CaCl<sub>2</sub>. Good returns, cement circulated, plug down 8:40 a. m. 7/24/75. WOC. Nippled up head & BOP. Tested BOP & csg @ 1000# f/30 min each, held OK.

6 a. m. 7/26/75 - Drilling ahead at 650' - 8-3/4" hole.

## 18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther Jr./rsTITLE Dist. Prod & Drlg SuptDATE 8-14-75

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>State Lease - #ML-22208</b>	
2. NAME OF OPERATOR <b>Atlantic Richfield Company</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
3. ADDRESS OF OPERATOR <b>501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colorado 80203</b>		7. UNIT AGREEMENT NAME -	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NW - 769' f/North & 857' f/West lines, Sec 2		8. FARM OR LEASE NAME <b>ARCO-STATE</b>	
14. PERMIT NO. <b>Mr. Feight 5-15-75</b>		9. WELL NO. <b>2-2</b>	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) <b>7886' GL ungraded</b>		10. FIELD AND POOL, OR WILDCAT <b>Field not designated</b>	
		11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA <b>Sec 2-16S-24E, SI&amp;BM</b>	
		12. COUNTY OR PARISH <b>Grand</b>	
		13. STATE <b>Utah</b>	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

### NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

### SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) <b>Set intermediate casing</b>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Drld to 3250'. Ran DST #1 as follows: 3220-3250', Castlegate, 5/8" BHC, no WC. Open 5 min w/gd blow; SI 35 min; open 30 min w/GTS in 20 min, 20 to 73 MCF; SI 30 min; 30 min final flow, 53 to 116 MCF; 45 min FSIP. Rec'd 150' GCDM. Sampler: 150#, gas only in sampler. 5 min IF, 34-39#; 35 min ISIP 299-311#; 30 min 2nd flow 56-56# w/hump to 107# in middle; 30 min 2nd SI 306-316#; 30 min FF 39-141#, 45 min FSIP 306-316 & still barely building. IH 1627#, FH 1640#, BHT 180°. Drld to 3500'. Ran 87 jts, 3,510' of 7" 20#, J-55, ST&C R2 & 3 New casing set @ 3492' RKB, cemented w/ 200 sx 50/50 poz & 2% CaCl2. Plug down at 2:30 A. M. 8/12/75. Good returns thruout. Nippled up and tested BOP. Drilling ahead with air to 3820', 8/14/75.

## 18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Walther Jr

TITLE Dist. Prod & Drlg Supt.

DATE 8-14-75

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

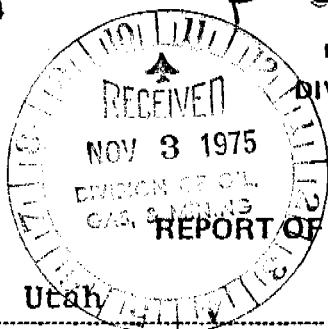
DATE \_\_\_\_\_

Lease No. ML-22208

Federal Lease No. \_\_\_\_\_

Indian Lease No. \_\_\_\_\_

**Fee & Pat.** \_\_\_\_\_



DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE  
SALT LAKE CITY, UTAH 84116  
328-5771

# REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE San Arroyo/Arco-State

The following is a correct report of operations and production (including drilling and producing wells) for the month of: September, 19 75.

Agent's Address 1860 Lincoln St., Suite 501 Company Atlantic Richfield Company  
Denver, Colorado 80203 Signed A. R. Coomer

Signed J. H. Cooper  
Title Accounting Supervisor

Phone No. 573-4002

No. and Date	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
NENE 2	16S	24E2-1		27	0		17,098		0	
NWNW 2	16S	24E2-2		0	0		0		0	SI Waiting on connection

GAS: (MCF)

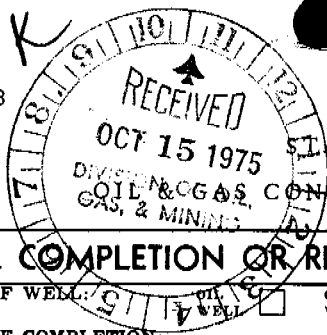
Sold 11/018  
 and/Vented 2  
 On/Off Lease 2

OIL or CONDENSATE: (To be reported in Barrels)

On hand at beginning of month \_\_\_\_\_ 0  
Produced during month \_\_\_\_\_ 0  
Sold during month \_\_\_\_\_ 0  
Unavoidably lost \_\_\_\_\_ 0  
Reason: \_\_\_\_\_  
On hand at end of month \_\_\_\_\_ 0

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)



STATE OF UTAH

DIVISION OF OIL, GAS, & MINES  
CONSERVATION COMMISSION

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

ML - 22208

5. LEASE DESIGNATION AND SERIAL NO.

ML - 22208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

ARCO - STATE

9. WELL NO.

2-2

10. FIELD AND POOL, OR WILDCAT area)  
Not designated (San Arroyo)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 2-16S-24E, SLB&amp;M

12. COUNTY OR PARISH

Grand

13. STATE

Utah

19. ELEV. CASING HEAD

7886'

1a. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ Other

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface NW NW - 769' f/North &amp; 857' f/West lines Sec. 2

At top prod. interval reported below Approx same

At total depth Approx same

APT #43-019-30241

14. PERMIT NO.

DATE ISSUED

Mr. Feight

5/15/75

15. DATE SPUDDED

7/22/75

16. DATE T.D. REACHED

8/21/75

17. DATE COMPL. (Ready to prod.)

9/17/75

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

7886' GL

20. TOTAL DEPTH, MD &amp; TVD

7250'

21. PLUG, BACK T.D., MD &amp; TVD

7113'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0 - 7250'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Lower Dakota 7015-34  
Cedar Mountain 7046-62'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL; FDC/CNL/GR; I-GR; SNP-GR; FEC-GR; Correl.; CBL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	290'KB	12-1/4"	165 sx - Cmt circ.	none
7"	20#	3492'KB	8-3/4"	200 sx	none
4-1/2"	10.5 & 11.6#	7147'KB	6-1/4"	100 sx	none

29. LINER RECORD None

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8	7027'KB	None

31. PERFORATION RECORD (Interval, size and number)

7015-34 2 - DML jets/foot  
7046-62 2 - DML jets/foot

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7015-34 and 7046-62	Frac: 3000 gal WS-30 pad; 15000 gal WS-30 and 30,000# sand; 4400 gal flush. Fluid w/ 400 CF CO <sub>2</sub> per bbl.

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9/10/75		Flow thru tubing				Shut in f/ connection	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/13/75	Gauge	2" line	→	-	680 MCFPD	load	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
20#	200#	→		680 MCFPD	load		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold to Mesa Pipeline

TEST WITNESSED BY

R. J. Lauters

35. LIST OF ATTACHMENTS

2 ea. #26; DST Chart; Daily History; Form OGCC-8-X

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

W A Walther

TITLE

Dist. Prod. &amp; Drlg. Supt.

DATE

10/11/75

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 38, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Castlegate Dakota SS	3214 6990	3226 7048	SS, F-mg, li gr to brn, P & P, gas SS w/ strks sh, f-mg, med por & perm in sd, li gray, some clay filling	Castlegate Dakota Silt Dakota SS Cedar Mountain Morrison	3214 6851 6990 7048 7113	
Cedar Mountain	7048	7113	SS w/ strks sh, li-dk gray, med grn, gd P & P in sd strks.			
Morrison	7113	T.D.	Shale w/ sd.			



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS CONSERVATION  
1588 West North Temple  
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number ARCO-STATE, Well No. 2-2

Operator Atlantic Richfield Company

Address 501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

Contractor Willard Pease Drilling Company

Address Box 548, Grand Junction, Colorado 81501

Location NW 1/4, NW 1/4, Sec. 2; T. 16 N; R. 24 E; Grand County  
S W

Water Sands:

From-	Depth:	To-	Volume:	Quality:
			Flow Rate or Head -	Fresh or Salty -

1. Hit some water @ 1638' & continued f/ approx 262'. Volume was negligible and
2. section was air-mist drilled.
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

(Continue on Reverse Side if Necessary)

Formation Tops:

Castlegate	3214'
Dakota Silt	6851'
Dakota SS	6990'
Cedar Mountain	7048'
Morrison	7113'

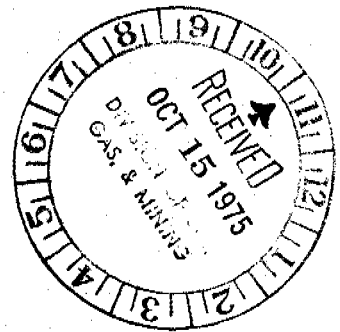
- NOTE: (a) Upon diminishing supply of forms, please inform this office.  
(b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.  
(c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.

7-12-75		Grading loc. (NW NW) 769' f/North & 857' f/West lines, Sec. 2-16S-24E, Grand Co. Utah. Gr Elev: 7886', ungraded.	
7-13-75		Grading loc.	
7-14-75		Grading loc.	
7-15-75		Grading loc.	
7-16-75		Grading rd. Loc compl.	
7-17-75		MIRT - Rd & loc compl.	
7-18-75		MIRT	
7-19-75		MIRT	
7-20-75		MIRT	
7-21-75		RURT	
7-22-75		RURT. Probably spud today.	
7-23-75	150'	Drlg sd & sh. 1/4° @ 140'. 90 RPM. Mud: 8.9#, 45 vis. B#1, Reed, RR, 150' in 11-1/2 hrs. SPUD 12-1/4" hole @ 8 p.m. 7/22/75	\$ 6,860
7-24-75	293'	Prep to run 9-5/8" csg. 3/4° @ 270'. 90 RPM. Mud: 8.9#, 50 vis. B#1, Reed, RR, 0-293', 293' in 32-1/2 hrs.	\$ 8,490
7-25-75	293'	WOC. Ran 6 jts (274') 9-5/8" OD csg 36# H-40 8RD Rg 3 LT&C, set @ 290' KB. KB to GL 12'. Cmt'd w/165 sx reg C1 "G" 2% CaCl <sub>2</sub> . Circ'd plug dn @ 8:40 a.m. 7/24/75. WOC. Nippled up. Tested BOP & csg @ 1000# f/30 min, held OK,	\$ 15,431
7-26-75	650'	Drlg. 3/4° @ 560'. 55 RPM. B#2, Reed, YTIT, 293-357, 66' in 23 hrs. Still drlg.	\$ 19,501
7-27-75	1050'	Drlg sd & sh. 3/4° @ 820'. 55 RPM, 10M#. B#2, Reed, YTIT, 293', still drlg	\$ 24,061
7-28-75	1900'	Drlg w/air-dusting. 3/4° @ 1600-1800. 50 RPM, 8-10M#. B#2, Reed, YTIT, 293-1053, 760' in 47 hrs. B#3, HTC, J-44, in @ 1053', drlg. 847' in 20-3/4 hrs. Hit wtr @ 1638', last 262' wet.	
7-29-75	2495'	Drlg-Misting. 1° @ 2150', 1-1/2° @ 2450'. 50 RPM, 10M#. B#3, HTC, J-44, in @ 1053', 1442' in 42 hrs.	\$ 40,534
7-30-75	3150'	Drlg-Misting. 1-1/4° @ 2750', 1-3/4° @ 3050'.	\$ 48,001
7-31-75	3250'	Rmg & CO hole @ 1504'. Mudded up @ 3250'. Mud: 9.1#, 52 vis, 8.0 WL, 2/32 FC, Ph 10.5, LCM 10%. 60 RPM, 1400#. B#3, HTC, J-44, 1053-3250, 2197' in 67-1/4 hrs. HTC, ODV, going in.	\$ 52,584
8-01-75	3250'	Reaming & CO hole @ 1576'. Yest report SB: Rmg & CO @ 1144'. Reamed & CO 432' last 24 hrs. Mud: 9.1#, 47 vis, 8.0 WL, 2/32 FC, Ph 11, 10% LCM	\$ 55,875
8-02-75	3250'	Reaming & CO @ 1856', 280' last 24 hrs. Mud: 9.5#, 55 vis, 8 WL, 2/32 FC Ph 10, 5% LCM	\$ 59,264
8-03-75	3250'	Reaming & CO @ 2130', 274' last 24 hrs. Mud 9.8#, 54 vis, 8.0 WL, 2/32 FC, Ph 9, LCM - nil.	\$ 62,399
8-04-75	3250'	Reaming & CO @ 2350', 220' last 24 hrs. Mud: 9.5#, 44 vis, 7 WL, 2/32 FC, Ph 9, 2% oil	\$ 65,537

8-5-75	3250	TD - Reaming & CO @ 2504', 154' last 24 hrs. Mud: 9.6#, 45 vis, 7 WL, 2/32 FC, Ph 10, 6% LCM, 2% oil	\$ 68,809
8-6-75	3250	TD - Reaming & CO @ 2716', 212' last 24 hrs. Mud: 9.6#, 47 vis, 7 WL, 2/32 FC, Ph 10, 2% oil. 1/2" @ 2520'	\$ 75,876
8-7-75	3250	TD - Reaming & CO @ 2930', 214' last 24 hrs. Mud: 9.6#, 43 vis, 6 WL, 2/32 FC, Ph 10, 2% oil	\$ 79,676
8-8-75	3250	TD - Reaming & CO @ 3110', 180' last 24 hrs. Mud: 9.5#, 45 vis, 6 WL, 2/32 FC, Ph 10, 2% oil	\$ 83,401
8-9-75	3250	Circ'g for DST. Reamed to 3250', 140' last 16 hrs. 1-1/2" @ 3120'. Mud: 9.6#, 58 vis, 7 WL, 2/32 FC, Ph 10, 2% oil	\$ 87,380
8-10-75	3348	Drlg sd & sh. DST #1, 3220-3250', Castlegate, 5/8" BHC, no WC. Open 5 min w/ gd blow; SI 35 min; open 30 min w/GTS in 20 min, 20 to 73 MCF; SI 30 min; 30 min final flow, 53 to 116 MCF; 45 min FSIP. Rec'd 150' GCDH. Sampler: 150#, gas only in sampler. 5 min IF, 34-39#; 35 min ISIP 299-311# 30 min 2nd flow 56-56# w/hump to 107# in middle; 30 min 2nd SI 306-316#. 30 min FF 39-141#, 45 min FSIP 306-316 & still barely building. IH 1627# FH 1640#, BHT 1800' (too high) Mud: 9.6#, 51 vis, 5.0 WL, 2/32 FC, Ph 9, 2% oil, 7% LCM. 60 RPM, 18M#. B #14, Smith, DGTHJ, in @ 3250' & drlg, 98' in 11 hrs.	\$91,452
8-11-75	3500	RU, prep to log. Mud: 9.7#, vis 60, WL 6, 2/32 Ph 11, 2% oil, 5% LCM. B #14, Smith, DGTHJ, 3250-3382', 132' in 14-1/2 hrs. B #15, Smith, DGTHJ 3382-3500', 118' in 10-1/2 hrs.	\$96,252
8-12-75	3500	WOC. Fin RU SCH and ran SP DIL, CNL & FDC w/GR Cal. SCH TD 3486'. Top Castlegate @ 3210'. Ran 87 jts, 3,509.86' of 7", 20# J-55, ST&C R 2 & 3 N csg set @ 3492' RKB. Gnted w/200 sx 50/50 por & 2% CaCl2. PD at 2:30 A. M. 8/12/75. No cent. Diff fill collar & guide shoe. Good returns thruout.	\$133,966
8-13-75	3500	GIH, blowing dry w/air @ 2800'. Set slips & cut off csg. Nip'd up to drill w/air. Chg'd 4-1/2" to 3-1/2" DP. Tested csg & BOP @ 1000# for 1 hr, held ok.	\$136,871
8-14-75	3820	Drlg w/air. 1" @ 3600'. Top of cmt plug @ 3430'	\$ 141,319
8-15-75	4370	Drlg w/air. 1-3/4" @ 3495', 1-3/4" @ 4255'.	\$147,589
8-16-75	5010	Drlg w/air, sh. 2-3/4" @ 4580' & 4850'. 50 RPM, 10M#. B#17, Reed, FP 72, in @ 3889' & drlg 1121' in 38-1/2 hrs.	\$145,985
8-17-75	5410	Drlg w/air. 5-3/4" @ 5150'. 50 RPM, 8M#. B#17, Reed, FP 72, 3889-5033', 1147' in 39.5 hrs. B#18, HTC, J-44, in @ 5033', 377' in 18-1/4 hrs.	\$150,545
8-18-75	5830	Drlg w/air, sh. 6-1/4" @ 5420, 8-1/4" @ 5730'. 50 RPM, 6M#. B#18, HTD, J-44, in @ 5033' & drlg 797' in 40-3/4 hrs.	\$155,333
8-19-75	6050	Drlg w/air, sh. 8" @ 6030'. 50 RPM, 3M#. B#18, HTC, J-44, 5033-5841', 808' in 41-1/2 hrs. B#19, Smith, F-4, in @ 5841' & drlg, 209' in 18-1/2 hrs.	\$157,841

8/20/75	6350	Drlg w/ air, shale 7° @ 6340' 50 RPM, 3M#. B #19, Smith, F-4, in @ 5841 & drlg, 509' in 42 hrs.
21	7005	Drlg w/ air, Dakota Silt, ST @ 6990. 7 @ 6657, 7-1/2 @ 6920. 50 RPM, 5M#. B #19, Smith, F-4, in @ 5841 & drlg, 1164' in 64-1/2 hrs.
22	7250	TD - Running Fm. Density log. Have run Ind-GR and Side Wall Neutron B #19, Smith, F-4, 5841-7250', 1409' in 73-3/4 hrs.
23	7250	TD - Prep to run 4-1/2" casing. Finished Fm. Density log. LD DP.
24	7250	TD - WOC. TDRT. Ran 4-1/2" casing: 37 jts 11.6# K-55 8rd LT&C R-2 N 1099.55' 163 jts 10.5# K-55 8rd LT&C R-3 N 6047.76' 7147.31'
		Set at 7147.33'KB w/ 100 ax 50-50 Poz + 2% gel, .2% D-13 & .2% D-65, prec w/50 BM & 10 BW, plug down w/ 500# @ 4:00 p.m. 8/23/75. Filled annulus w/ drlg mud, set slips w/ 60,000#. Rig rel 8 p.m. 8/23/75.
25	7250	TD - Prep to MORT
26	7250	TD - TD & MORT
27	7250	TD - MORT
8/28 - 9/2	7250	TD - MORT, Clean loc., set anchors, MI & RU completion unit, MI tubing
9/3/75	7113	PBTD - Prep to pull tubing & run logs. Picked up & ran 229 jts 2-3/8"OD EUE tubing w/ notched collar, tag bottom @ 7113'KB. Pulled 10 stands. SDON.
4	7113	PB - Prep to finish in w/ tbg, swab down & perf. Finished out w/ tbg. RU GO-Int'l. Ran GR, correl & collar log 7099-6800'. Ran CBL 7100-5900', indicated top cmt @ 6010'. Started in w/ tbg. SDON.
5	7113	PB - Prep to test. Ran tbg, swbd dn to 6625'. Pld tbg. RU GO-Int'l. Perf'd Cedar Mountain 7046-62' & Lower Dakota 7015-34' w/ 70 DML jets, 2 jets/ft. SI. SDON. This a.m. CP O#.
6	7113	PB - Prep to pull tbg & frac. Yest a.m. CP O#. Ran 2-3/8" tbg w/ pkr, set pkr @ 7000'. Swbd 1-1/2 BF, did not flow, no GTS. SDON.
7	7113	PB - Testing. Yest. a.m., FL 3500'. Brk dn CM perfs 7046-62 & LD perfs 7015-34' thru pkr set @ 7000', fm brk 3000# to 1500# @ 5 BPM. Pld tbg & pkr. Treated perfs down 4-1/2" casing as follows: 3000 gal WS-30 pad w/ 400 CF CO <sub>2</sub> per bbl. 1000 gal w/ 1/2# sand/gal & 400 CF CO <sub>2</sub> per bbl. 1000 gal 1# " 2000 gal 1-1/2# " 4000 gal 2# " 7000 gal 2-1/2# " Flushed w/ 4400 gal w/ 400 CF CO <sub>2</sub> per bbl. MP 1600#, avg 1400#, AIR 22 BPM ISIP 550#, 15 min SIP 100#. Flwd approx 100 bbl gelled water to pit in 45 min. Dead in 45 min. Left open to pit o'nite. This a.m., FL 3500'. -150 BIW.
8	7113	PB - Cont swabbing. Yest a.m. FL 3500', Swbd 55 BIW in 10 hrs, pulling f/7100', vy sml amt gas, TSTM, left open o'nite. -395 BIW.

9/9/75	7113	<p>PB - Swabbing &amp; testing.</p> <p>Yest. a.m. TP 0#, CP 200#, FL 4200'. Fld tbg up to 6800'. Swbd &amp; flowed 60 BLF in 12 hrs, tbg swbd down @ 3 p.m. 9/8. Let stand 1 hr, CP inc to 300#, made 1 run w/ swab, CP to 50#, unloaded approx 10 BLF, flwd gas @ est 200 MCFPD after plg swab. SI &amp; SDON. -335 BLF</p>
10	7113	<p>PB - Swabbing &amp; testing</p> <p>Yest a.m. TP 775#, CP 775#, blew down &amp; rec'd 10 BLW. Started swbg, 1 pull/hr, in 8 hrs, swbd 12 BLW (22 bbl total). -313 BLF. 15 min after ea pull, flwd @ 450 MCFPD &amp; dec to 200 MCFPD at end of hour. SDON. Left open to pit o'nite.</p>
11	7113	<p>PB - Prep to lower tbg to 7100'.</p> <p>11 a.m. 9/10, 680 MCFPD; 3 pm, 700 MCFPD, pitot tube, gas w/ hvy mist of water, CP 200#, TP 20#, 2" open line, left open o'nite.</p>
12	7113	<p>PB - Prep to inst tbg head &amp; nipple up. Ran tbg in to 7100', flowed &amp; rec'd approx 2 BLW. Fld &amp; LD 2 jts tbg, landed 2-3/8" tbg @ 7027'KB. At 2 pm tested 686 MCFPD, CP 175#, TP 15#, 2" open line, heavy mist of water, left open o'nite.</p>
13	7113	<p>PB - Flwg to pit, no ga. Removed BOP, instl'd tbg head, nip'd up to flow to pit. Rig rel 12 noon 9/12/75.</p>
14	7113	<p>PB - Flwg on test. Yest a.m., flowing to pit w/ light mist, TP 15#, CP 150#, 680 MCFPD/ Started choking back. At 230-240 MCFPD, wouldn't unload, quit misting. at 3 pm, 300#TP, 300#CP, 139 MCFPD, est -160 BLW.</p>
15	7113	<p>PB - Flwg f/ test. Yest a.m., vy little gas, TP 600#, CP 600#, froze off. Blew down in 30 min to CP 500#, TP 300#, did not unload when blowing down. Started choking. Yest p.m. 450#TP, 450#CP, making 346 MCFPD, 1+1 choke size.</p>
16	7113	<p>PB - Flwg on test. Yest a.m. TP 625#, CP 625#, partially froze off, tested 160 MCFPD, blew down to TP 100#, CP 300#, left flwg to pit on 1 + 2 choke.</p>
17	7113	<p>PBTD - Yest. a.m. TP 575#, CP 575#, partially frozen off; making 160 MCFPD, SI 5 p.m. 9/16/75. TEST: 680 MCFPD, 200#CP, 20#TP, 2" line. <u>COMPLETED</u></p>

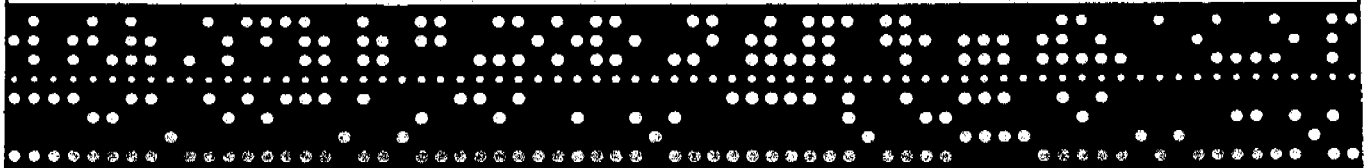


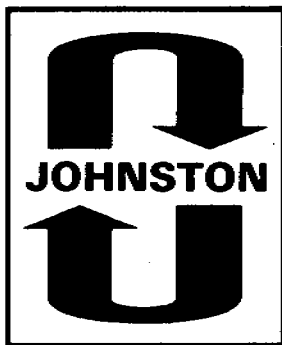
COMPANY ATLANTIC-RICHFIELD COMPANY WELL ARCO STATE # 2-2 TEST NO. 1 COUNTY GRAND STATE UTAH

JOHNSTON

Schlumberger

computerized  
data  
analysis





# PRESSURE LOG\*

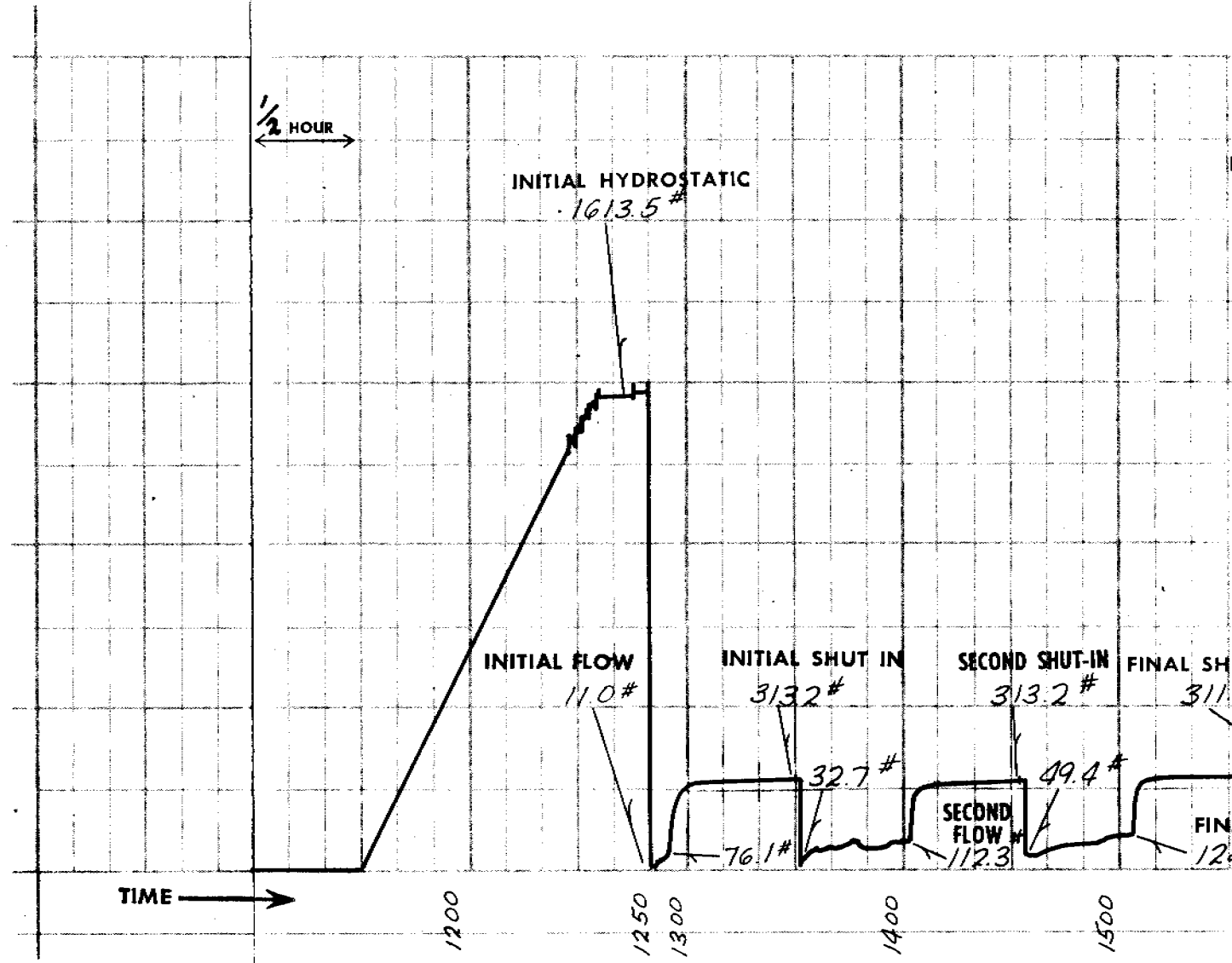
Field Report No. 09163C

Instrument:  
Number J-029

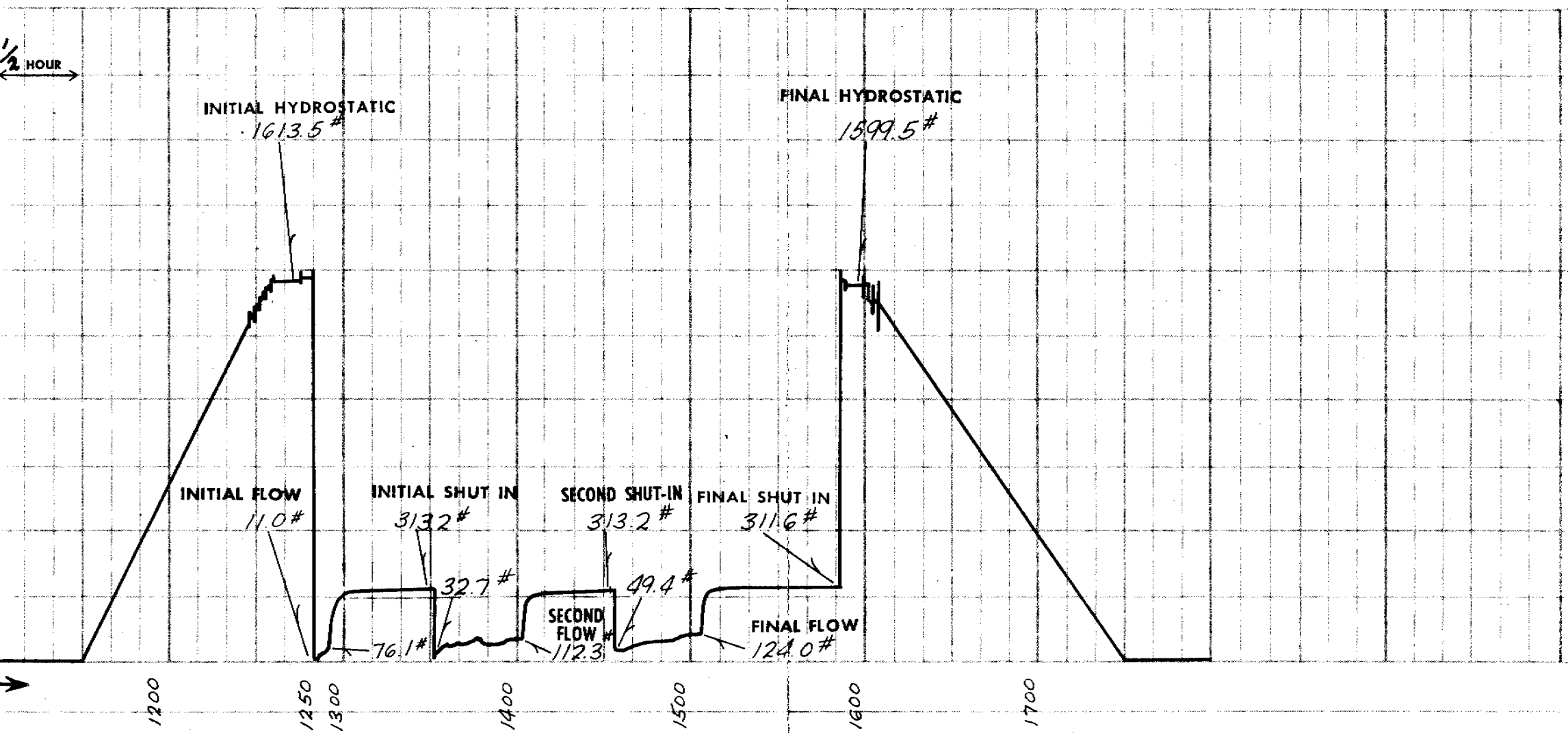
Capacity 2800 p.s.i.

Depth 3177 ft.

\*a continuous tracing of the original chart



1/2 HOUR  
→



INAL HYDROSTATIC

1599.5 #

T IN  
#

L FLOW  
0 #

1600

1700

$\frac{1}{2}$  HOUR

## COMPUTERIZED DATA ANALYSIS

AUGUST 22, 1975

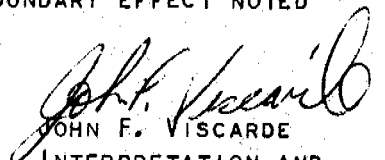
GENTLEMEN:

THE ENCLOSED TEST APPEARS TO BE A GOOD MECHANICAL DRILL STEM TEST DURING WHICH THE TOOLS DID FUNCTION PROPERLY. THE FORMATION PRODUCED ENOUGH RESERVOIR FLUID FOR PROPER IDENTIFICATION. RESERVOIR PRESSURE DRAWDOWN WAS SUFFICIENT AND ADEQUATE SHUT-IN BUILD-UPS DID OCCUR FOR RELIABLE QUANTITATIVE ANALYSIS.

1. FLOW RATE: AN AVERAGE FLOW RATE OF 85 MCF/DAY OF GAS WAS NOTED DURING THIS TEST.
2. RESERVOIR PRESSURE: MECHANICAL STABILIZATION OF THE INITIAL SHUT-IN PRESSURE BUILD-UP INDICATES A MAXIMUM RESERVOIR PRESSURE OF 313 P.S.I.G. AT RECORDER DEPTH. MECHANICAL STABILIZATION OF THE SECOND SHUT-IN PRESSURE BUILD-UP INDICATES A MAXIMUM RESERVOIR PRESSURE OF 313 P.S.I.G. AT RECORDER DEPTH. MECHANICAL STABILIZATION OF THE FINAL SHUT-IN PRESSURE BUILD-UP INDICATES A MAXIMUM RESERVOIR PRESSURE OF 312 P.S.I.G. AT RECORDER DEPTH. THE DIFFERENCE BETWEEN THE INITIAL AND FINAL SHUT-IN PRESSURE OF 1 P.S.I.G. IS INSIGNIFICANT.
3. PERMEABILITY: THE CALCULATED TRANSMISSIBILITY FACTOR OF 13036.5 MD.-FT./CP. INDICATES AN AVERAGE EFFECTIVE PERMEABILITY TO GAS OF 2.99 MD. FOR THE REPORTED 52 FOOT TEST INTERVAL. THE CALCULATIONS WERE BASED ON A SLOPE OF 6831 P.S.I.<sup>2</sup>/LOG CYCLE OBTAINED FROM THE FINAL SHUT-IN BUILD-UP PLOT. IT WAS ASSUMED FOR THESE CALCULATIONS: (A) GAS GRAVITY 0.70 (B) VISCOSITY .0124 CP. (C) AND GAS DEVIATION FACTOR .965. THESE FIGURES WERE OBTAINED FROM THE AVAILABLE TECHNICAL LITERATURE.
4. WELL BORE DAMAGE: THE CALCULATED ESTIMATED DAMAGE RATIO OF 2.07 INDICATES THAT WELL BORE DAMAGE IS PRESENT AT THE TIME AND CONDITIONS OF THIS TEST. THIS VALUE INFERS THAT THE RATE OF PRODUCTION OBSERVED AT THE FORMATION FACE DURING THIS TEST MAY BE INCREASED 2.07 TIMES IF THE WELL BORE DAMAGE ALONE WERE REMOVED.
5. RADIUS OF INVESTIGATION: THE CALCULATED RADIUS OF INVESTIGATION OF THIS TEST IS 397 FEET BASED ON AN ASSUMED POROSITY OF 10%, COMPRESSIBILITY OF  $8.0 \times 10^{-6}$ , AND OTHER ASSUMPTIONS MADE IN NUMBER 3 ABOVE.
6. GENERAL COMMENTS: THE FORMATION EXHIBITS THE CHARACTERISTICS OF RELATIVELY LOW PERMEABILITY EFFECTIVE TO THE RESERVOIR FLUID AND INDICATES THE PRESENCE OF WELL BORE DAMAGE.

REMOVAL OF WELL BORE DAMAGE SHOULD INCREASE FLOW CAPACITY. THE RATHER LOW PRESSURE GRADIENT (.098 P.S.I./FT.) COULD BE DUE TO PREVIOUS PRODUCTION IN THIS FIELD. THIS WOULD ACCOUNT FOR THE DRAINAGE BOUNDARY EFFECT NOTED IN THE SHUT-IN BUILD-UP PLOTS.

ATLANTIC-RICHFIELD COMPANY  
ARCO STATE # 2-2; GRAND COUNTY, UTAH  
TEST # 1; 3198' TO 3250'  
SECTION: 2-16s-24e

  
JOHN F. VISCARDE  
INTERPRETATION AND  
EVALUATION DEPARTMENT  
FIELD REPORT # 09163 C

440

ISI

FR NO: 9163

Instrument # J-029

400

PRESSURE (P.S.I.G.)

360

320

280

240

+

+

+

+

+

+

+

+

+

+

+

+

+

PAGE 3

0.5

LOG OF  $\frac{I + \Delta T}{\Delta T}$ COMPUTERIZED  
PLOT

0

Instrument No. J-029

Field Report No. 09163 C

Estimated Damage Ratio	EDR	2.07	Effective Transmissibility	$\frac{Kh}{\mu Z}$	13036.5	$\frac{Md-ft.}{Cp.}$
Maximum Reservoir Pressure	$P_o$	313 P.S.I.G.	Flow Rate	$Q_g$	85	MCF day
INITIAL SHUT-IN			GAS			
Slope of Shut-in Curve	$M_g$	6831 PSI/log cycle	Flow Rate	$Q$	-	
FINAL SHUT-IN						
Potentiometric Surface	PS	5544 ft.	Pressure Gradient		.098	PSI/ft.
(Datum Plane, Sea Level)						
Radius of Investigation		397 ft.	K (Effective to GAS)		2.99	Md.

$$SLOPE M_G = (316)^2 - (305)^2 = 6831$$

### Assumptions made for Calculations for Gas Recoveries

1.  $Q_g$  is taken as steady state flow and unless stated otherwise at standard conditions 14.7 P.S.I. and 60°F.
2.  $P_f$  is final formation flowing pressure at steady state flow.
3. Formation flow is taken as single phase flow. If liquid (condensate) is produced at surface, condensation is assumed to have occurred in drill pipe.
4. Radial flow is assumed.
5. Unless given, gas specific gravity is assumed to be 0.7 (air 1.0) and having pseudo critical temperature at 385° Rankin and pseudo critical pressure of 666 P.S.I.A.
6. Other standard radial flow, steady state assumptions.

### Empirical Equations:

$$1. EDR = \frac{P_o^2 - P_f^2}{M_g(\log T - 2.65)} \text{ where } M_g = \frac{P_i^2 - P_{io}^2}{\log \text{ Cycle}}$$

$$2. \text{Transmissibility } \frac{Kh}{\mu Z} = \frac{1637 T_f Q_g}{M_g}$$

$$3. P.S. = [P_o - 2.309 \text{ ft./PSI}] - [\text{Recorder depth to sea level.}]$$

$$4. \text{Radius of Investigation, } r_i, = \sqrt{\frac{Kt}{40cb(1 - S_w)\mu c}} \text{ where } t = \text{time in days}$$

In making any interpretation, our employees will give Customer the benefit of their best judgment as to the correct interpretation. Nevertheless, since all interpretations are opinions based on inferences from electrical, mechanical or other measurements, we cannot, and do not, guarantee the accuracy or correctness or any interpretations, and we shall not be liable or responsible, except in the case of gross or wilful negligence on our part, for any loss, costs, damages or expenses incurred or sustained by Customer resulting from any interpretation made by any of our agents or employees.

440

2SI

FR NO: 9163

Instrument # J-029

400

PRESSURE (P.S.I.G.)

360

320

280

240

PAGE 4

2.0

1.0

LOG OF  $\frac{I + \Delta I}{\Delta T}$ 

0

FSI  
FR NO: 9163  
Instrument # J-029

PRESSURE (P.S.I.G.)

440  
400  
360  
320  
280  
240

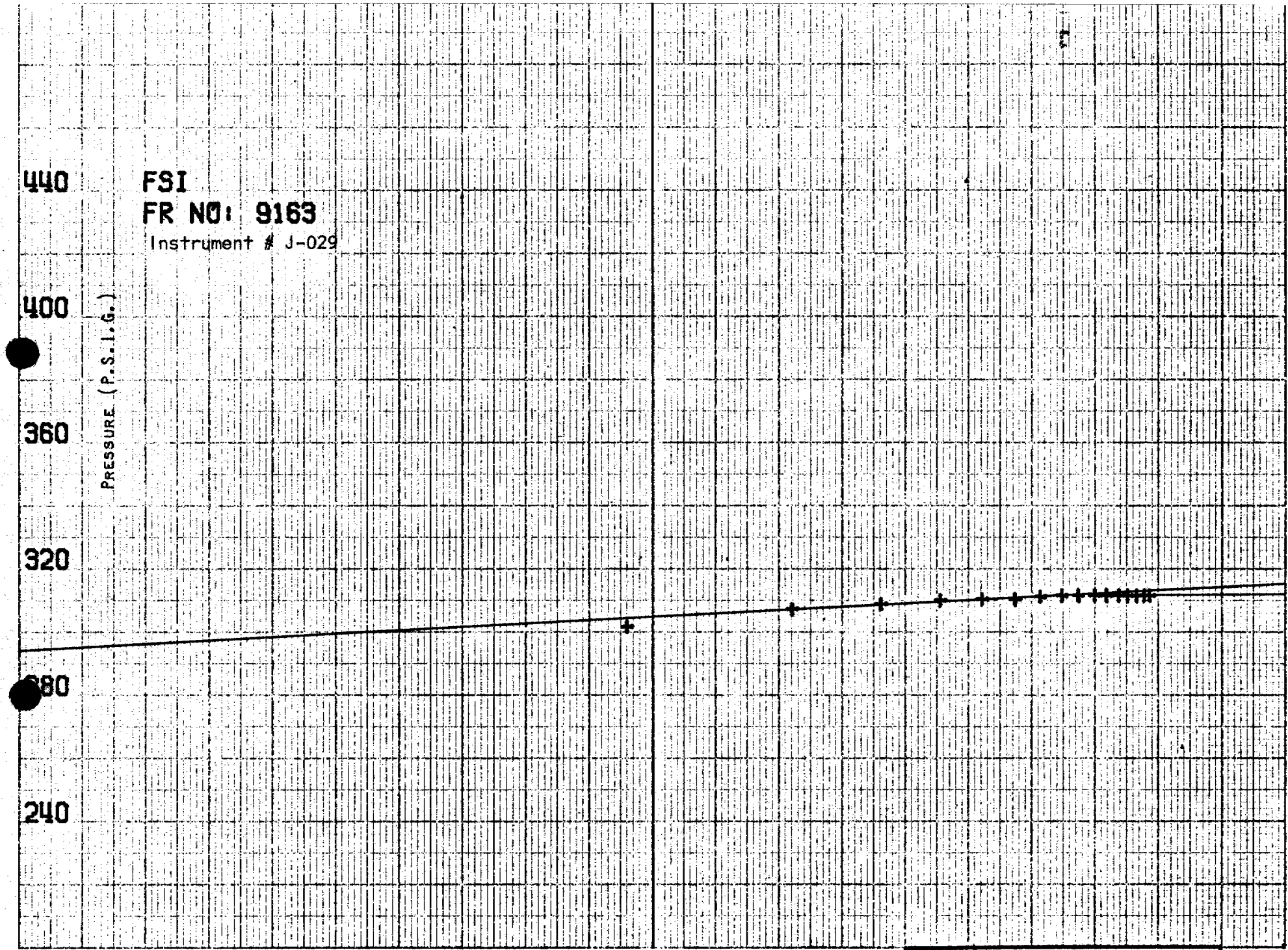
PAGE 5

Log of  $\frac{1.0}{T + \Delta T}$

JOHNSTON  
COMPUTERIZED  
PLOT

0

2.0



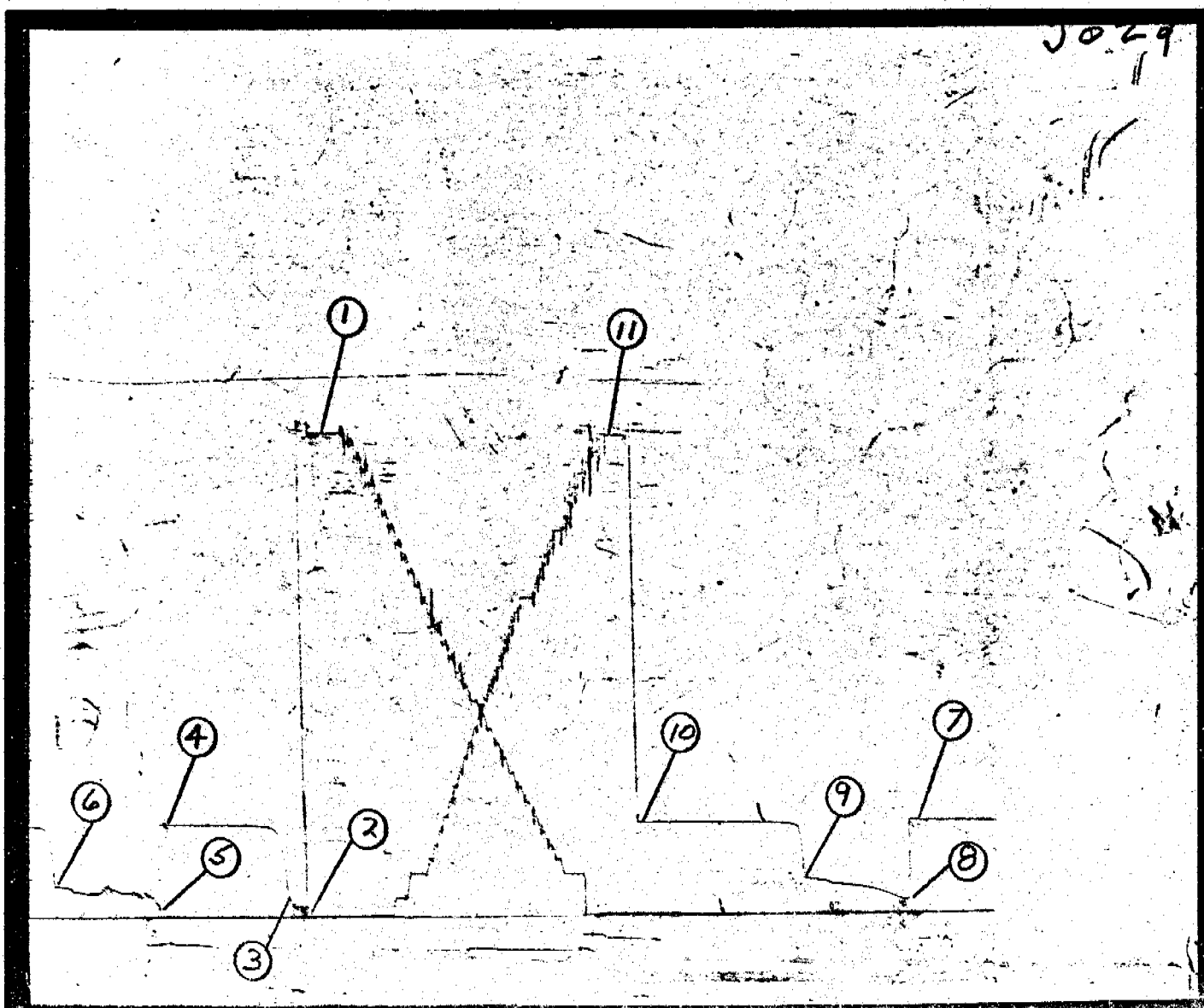
FIELD REPORT NO.: 09163 C

INSTRUMENT NO.: J-029

CAPACITY: 2800#

NO. OF REPORTS: 10+

PRESSURE DATA FROM THIS CHART IS PRESENTED ON NEXT PAGE



LABEL POINT	DELTA TIME	PRESSURE (P.S.I.)	T + DT/DT	LOG	PW - PF (P.S.I.)	COMMENTS
7 8	12	312.1	3.500	0.544	199.8	SECOND SHUT-IN FINAL FLOW(1)
	15	312.7	3.000	0.477	200.4	
	18	313.2	2.667	0.426	200.9	
	21	313.2	2.429	0.385	200.9	
	24	313.2	2.250	0.352	200.9	
	27	313.2	2.111	0.325	200.9	
	30	313.2	2.000	0.301	200.9	
	0	49.4				
	3	57.2				
	6	71.1				
	9	82.3				
	12	91.7				
	15	97.3				
	18	101.2				
	21	104.5				
	24	113.4				
	27	120.1				
9	30	124.0				FINAL FLOW(2) STARTED SHUT-IN
9	0	124.0				
	3	301.6	11.000	1.041	177.6	
	6	307.1	6.000	0.778	183.1	
	9	308.8	4.333	0.637	184.8	
	12	309.9	3.500	0.544	185.9	
	15	310.5	3.000	0.477	186.5	
	18	310.5	2.667	0.426	186.5	
	21	311.0	2.429	0.385	187.0	
	24	311.6	2.250	0.352	187.6	
	27	311.6	2.111	0.325	187.6	
	30	311.6	2.000	0.301	187.6	
	33	311.6	1.909	0.281	187.6	
	36	311.6	1.833	0.263	187.6	
	39	311.6	1.769	0.248	187.6	
	42	311.6	1.714	0.234	187.6	
	45	311.6	1.667	0.222	187.6	
10	47	311.6	1.638	0.214	187.6	FINAL SHUT-IN HYDROSTATIC MUD
11		1599.5				

PAGE NO. 10

FIELD REPORT NO.: 09163 C

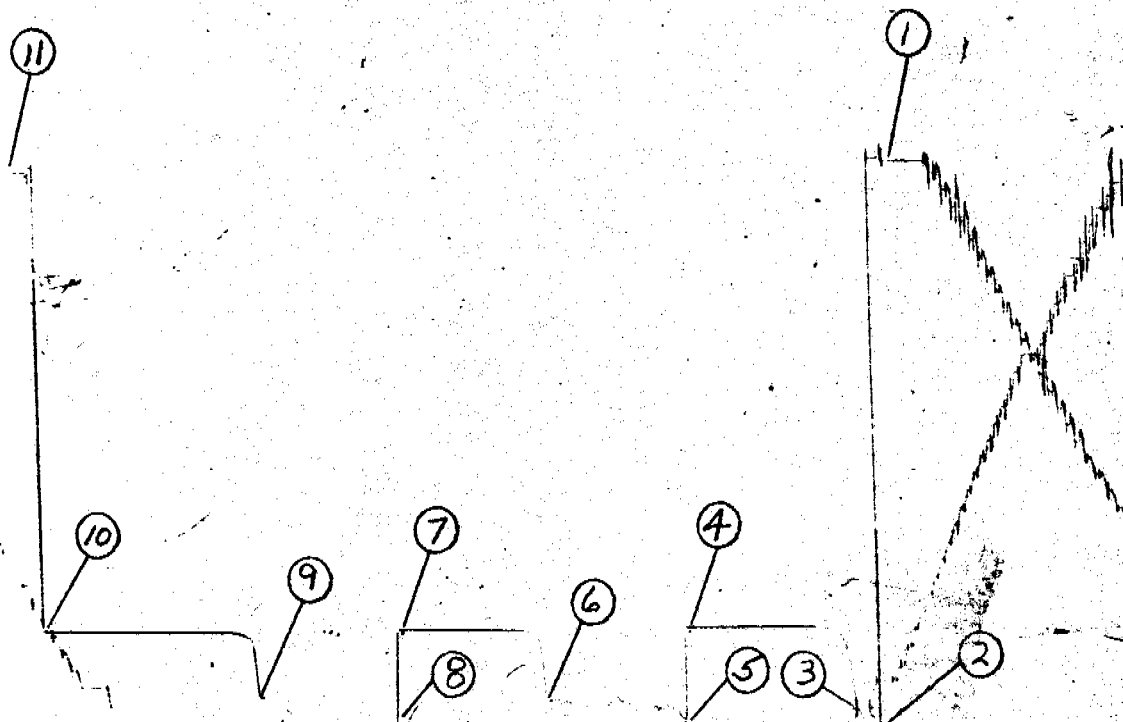
INSTRUMENT NO.: J-405

CAPACITY: 2800#

NO. OF REPORTS: 10+

PRESSURE DATA FROM THIS CHART IS PRESENTED ON NEXT PAGE

J-405



## BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-029

CAPACITY(P.S.I.): 2800

DEPTH: 31.77 FT.

PORT OPENING: INSIDE

BOTTOM HOLE TEMP.: 180

PAGE 1 OF 2

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	1613.5		
INITIAL FLOW(1)	2	11.0		
INITIAL FLOW(2)	3	76.1	5	5
INITIAL SHUT-IN	4	313.2	35	35
SECOND FLOW(1)	5	32.7		
SECOND FLOW(2)	6	112.3	30	30
SECOND SHUT-IN	7	313.2	30	30
FINAL FLOW(1)	8	49.4		
FINAL FLOW(2)	9	124.0	30	30
FINAL SHUT-IN	10	311.6	45	47
FINAL HYDROSTATIC MUD	11	1599.5		

## INCREMENTAL READINGS

LABEL POINT	DELTA TIME	PRESSURE (P.S.I.)	T + DT/DT	LOG	PW - PF (P.S.I.)	COMMENTS
1		1613.5				HYDROSTATIC MUD
2	0	11.0				INITIAL FLOW(1)
	3	33.3				
3	5	76.1				INITIAL FLOW(2)
3	0	76.1				STARTED SHUT-IN
	3	275.4	2.667	0.426	199.3	
	6	306.0	1.833	0.263	229.9	
	9	309.9	1.556	0.192	233.8	
	12	311.6	1.417	0.151	235.4	
	15	312.1	1.333	0.125	236.0	
	18	312.7	1.278	0.106	236.6	
	21	313.2	1.238	0.093	237.1	
	24	313.2	1.208	0.082	237.1	
	27	313.2	1.185	0.074	237.1	
	30	313.2	1.167	0.067	237.1	
	33	313.2	1.152	0.061	237.1	
4	35	313.2	1.143	0.058	237.1	INITIAL SHUT-IN
5	0	32.7				SECOND FLOW(1)
	3	77.8				
	6	78.4				
	9	88.9				
	12	93.9				
	15	115.1				
	18	88.4				
	21	87.8				
	24	93.4				
	27	107.9				
6	30	112.3				SECOND FLOW(2)
6	0	112.3				STARTED SHUT-IN
	3	303.2	11.000	1.041	190.9	
	6	309.3	6.000	0.778	197.0	
	9	311.6	4.333	0.637	199.3	

INSTRUMENT NUMBER J-405

PAGE 2 OF 2

LABEL POINT	DELTA TIME	PRESSURE (P.S.I.)	T + DT/DT	LOG	PW - PF (P.S.I.)	COMMENTS
	12	310.1	3.500	0.544	195.8	
	15	310.1	3.000	0.477	195.8	
	18	310.7	2.667	0.426	196.4	
	21	310.7	2.429	0.385	196.4	
	24	311.2	2.250	0.352	196.9	
	27	311.8	2.111	0.325	197.5	
7	30	311.8	2.000	0.301	197.5	SECOND SHUT-IN
8	0	58.9				FINAL FLOW(1)
	3	60.0				
	6	73.3				
	9	84.9				
	12	93.8				
	15	99.3				
	18	103.2				
	21	107.1				
	24	116.0				
	27	122.6				
9	30	127.6				FINAL FLOW(2)
9	0	127.6				STARTED SHUT-IN
	3	301.3	11.000	1.041	173.6	
	6	307.4	6.000	0.778	179.7	
	9	309.6	4.333	0.637	181.9	
	12	310.1	3.500	0.544	182.5	
	15	310.7	3.000	0.477	183.1	
	18	311.2	2.667	0.426	183.6	
	21	311.2	2.429	0.385	183.6	
	24	311.2	2.250	0.352	183.6	
	27	311.2	2.111	0.325	183.6	
	30	311.8	2.000	0.301	184.2	
	33	311.8	1.909	0.281	184.2	
	36	312.3	1.833	0.263	184.7	
	39	312.3	1.769	0.248	184.7	
	42	312.9	1.714	0.234	185.3	
	45	312.9	1.667	0.222	185.3	
10	47	312.9	1.638	0.214	185.3	FINAL SHUT-IN
11		1613.1				HYDROSTATIC MUD

## BOTTOM HOLE PRESSURE AND TIME DATA

INSTRUMENT NO.: J-405      CAPACITY(P.S.I.): 2800      DEPTH: 3211 FT.  
 PORT OPENING: OUTSIDE      BOTTOM HOLE TEMP.: 180      PAGE 1 OF 2

DESCRIPTION	LABELED POINTS	PRESSURE (P.S.I.)	GIVEN TIME	COMPUTED TIME
INITIAL HYDROSTATIC MUD	1	1627.0		
INITIAL FLOW(1)	2	30.0		
INITIAL FLOW(2)	3	86.0	5	5
INITIAL SHUT-IN	4	312.9	35	35
SECOND FLOW(1)	5	52.2		
SECOND FLOW(2)	6	114.3	30	30
SECOND SHUT-IN	7	311.8	30	30
FINAL FLOW(1)	8	58.9		
FINAL FLOW(2)	9	127.6	30	30
FINAL SHUT-IN	10	312.9	45	47
FINAL HYDROSTATIC MUD	11	1613.1		

## INCREMENTAL READINGS

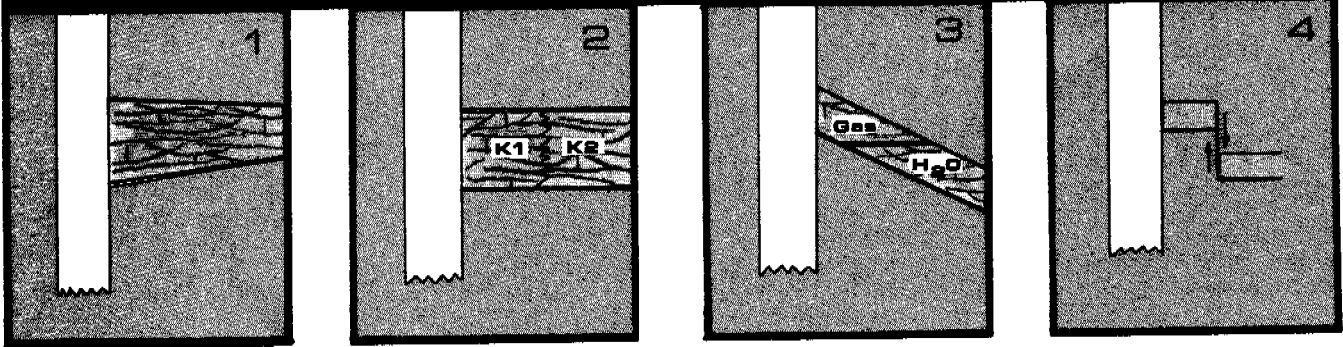
LABEL POINT	DELTA TIME	PRESSURE (P.S.I.)	T + DT/DT	LOG	PW - PF (P.S.I.)	COMMENTS
1		1627.0				
2	0	30.0				HYDROSTATIC MUD
	3	50.5				INITIAL FLOW(1)
3	5	86.0				
3	0	86.0				INITIAL FLOW(2)
	3	280.2	2.667	0.426	194.1	STARTED SHUT-IN
	6	306.8	1.833	0.263	220.8	
	9	310.7	1.556	0.192	224.7	
	12	312.3	1.417	0.151	226.3	
	15	312.9	1.333	0.125	226.9	
	18	312.9	1.278	0.106	226.9	
	21	312.9	1.238	0.093	226.9	
	24	312.9	1.208	0.082	226.9	
	27	312.9	1.185	0.074	226.9	
	30	312.9	1.167	0.067	226.9	
	33	312.9	1.152	0.061	226.9	
4	35	312.9	1.143	0.058	226.9	
5	0	52.2				INITIAL SHUT-IN
	3	87.7				SECOND FLOW(1)
	6	82.7				
	9	92.1				
	12	97.7				
	15	116.0				
	18	91.0				
	21	91.0				
	24	95.5				
	27	109.9				
6	30	114.3				SECOND FLOW(2)
6	0	114.3				STARTED SHUT-IN
	3	301.3	11.000	1.041	186.9	
	6	307.4	6.000	0.778	193.0	
	9	308.5	4.333	0.637	194.1	





# GEOLOGICAL INTERPRETATION GUIDE\*

## 1 General Causes of a Break Upward in Slope Value



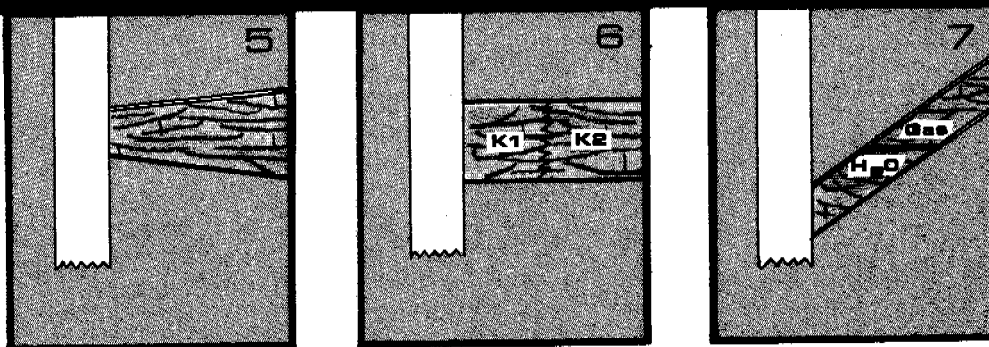
Decrease in thickness of pay zone away from well bore

Decrease in effective permeability away from well bore (facies change)  $K_1 > K_2$

Increase in fluid viscosities away from the well bore (gas-water contact, gas-oil contact)

Sealing barrier (fault)

## 2 General Causes of A Break Downward in Slope Value

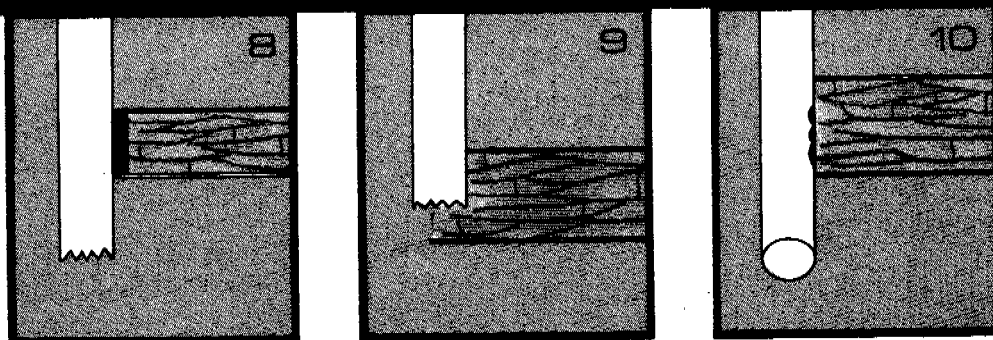


Increase in thickness of pay zone away from well bore

Increase in effective permeability away from well bore  $K_1 < K_2$

Decrease in fluid viscosities away from well bore

## 3 Conditions Which Will Give A Damage Indication



**True Skin Damage** - (Caused by: filtrate invasion, bit damage, drilling solids invasion, etc.)

**Pseudo Damage** - Incomplete penetration of porous zone

**Pseudo Damage** - Choking effect of perforations (cased hole)

\*Illustrated causes of anomalies detected through pressure build-up analysis with Johnston "Computerized Data Analysis"



UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203, (801-538-5340)

Page 3 of 6

# MONTHLY OIL AND GAS PRODUCTION REPORT

012920

Operator name and address:

• ARCO OIL & GAS COMPANY  
P O BOX 1610  
MIDLAND TX 79702  
ATTN: REVENUE ACCT/JEFF DECKER

Utah Account No. N0080

Report Period (Month/Year) 12 / 86

Amended Report ☐

Well Name	API Number	Entity	Location	Producing Zone	Days Oper	Production Volume		
						Oil (BBL)	Gas (MSCF)	Water (BBL)
SAN ARROYO 2	4301915885	00505	16S 25E 22	ENRD	*			
SAN ARROYO 3	4301915886	00505	16S 25E 23	ENRD	*			
SAN ARROYO 5	4301915888	00505	16S 25E 25	ENRD	*			
SAN ARROYO 6	4301915889	00505	16S 25E 21	ENRD	*			
SAN ARROYO 1	4301916532	00505	16S 25E 26	ENRD	*			
SAN ARROYO 14	4301915895	00510	16S 25E 16	MRSN	*			
BITTER CREEK #1	4301930047	00515	16S 25E 2	CDMTN	*			
ARCO-STATE 2-1	4301930240	00520	16S 24E 2	DKTA	*			
ARCO-STATE 2-2	4301930241	00520	16S 24E 2	DKTA	*			
ENGLISH #1	4303715911	00525	43S 22E 22	PRDX	31	0	171	0
ENGLISH #6	4303715915	00525	43S 22E 16	PRDX	SI	0	0	0
ENGLISH #7	4303715916	00525	43S 22E 16	PRDX	SI	0	0	0
ENGLISH #9	4303715918	00525	43S 22E 16	PRDX	SI	0	0	0
TOTAL						0	171	0

Comments (attach separate sheet if necessary) \* SEE COMMENT PAGE 1 OF 6 - 4 Properties  
Sold. Effective 9-1-86. To: Birch Corporation

I have reviewed this report and certify the information to be accurate and complete.

Date 1-21-87

Jeff Decker  
Authorized signature

JEFF DECKER

Telephone (915) 688-5414

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Graham Royalty, Ltd.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1675 Larimer Street, Suite 400, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO.
15. ELEVATIONS (Show whether OF, ST, GR, etc.) DIVISION OF OIL, GAS & MINING		10. FIELD AND POOL, OR WILDCAT
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)		12. COUNTY OR PARISH 13. STATE

RECEIVED  
MAY 01 1989

## NOTICE OF INTENTION TO:

## SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) Change of Operator

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1989 Graham Royalty, Ltd. took over as operator from Birch Corporation on various wells in the San Arroyo Field.

The attached Exhibit shows a list of wells and their location.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Wilbur L. Dover*  
Wilbur L. Dover

TITLE Vice President

DATE April 25, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

San Arroyo	1	Entrada Unit	SE NW Sec. 26-16S-25E	Grand Co., UT
San Arroyo	2	Entrada Unit	SE NW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	3	Entrada Unit	SE NW Sec. 23-16S-25E	Grand Co., UT
San Arroyo	5	Entrada Unit	NW SE Sec. 25-16S-25E	Grand Co., UT
San Arroyo	6	Entrada Unit	SW NE Sec. 21-16S-25E	Grand Co., UT
San Arroyo	40	Entrada Unit	NW NE Sec. 27-16S-25E	Grand Co., UT

San Arroyo	4	Dakota Unit	SE SW Sec. 30-16S-26E	Grand Co., UT
San Arroyo	8	Dakota Unit	SW SW Sec. 16-16S-25E	Grand Co., UT
San Arroyo	9	Dakota Unit	NW NE Sec. 27-16S-25E	Grand Co., UT
San Arroyo	11	Dakota Unit	NE SW Sec. 15-16S-25E	Grand Co., UT
San Arroyo	12	Dakota Unit	SW SW Sec. 23-16S-25E	Grand Co., UT
San Arroyo	13	Dakota Unit	NE SW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	16	Dakota Unit	SE SW Sec. 26-16S-25E	Grand Co., UT
San Arroyo	17	Dakota Unit	NE NE Sec. 24-16S-25E	Grand Co., UT
San Arroyo	18	Dakota Unit	NW NW Sec. 30-16S-26E	Grand Co., UT
San Arroyo	19	Dakota Unit	SW SE Sec. 14-16S-25E	Grand Co., UT
San Arroyo	20	Dakota Unit	SE NE Sec. 26-16S-25E	Grand Co., UT
San Arroyo	21	Dakota Unit	NW SE Sec. 25-16S-25E	Grand Co., UT
San Arroyo	22	Dakota Unit	NE NE Sec. 15-16S-25E	Grand Co., UT
San Arroyo	24	Dakota Unit	SE NW Sec. 19-16S-25E	Grand Co., UT
San Arroyo	25	Dakota Unit	SW NE Sec. 21-16S-25E	Grand Co., UT
San Arroyo	26	Dakota Unit	SW SW Sec. 20-16S-26E	Grand Co., UT
San Arroyo	27	Dakota Unit	NE SW Sec. 29-16S-26E	Grand Co., UT
San Arroyo	28	Dakota Unit	NW NE Sec. 29-16S-26E	Grand Co., UT
San Arroyo	29	Dakota Unit	NE NE Sec. 22-16S-26E	Grand Co., UT
San Arroyo	30	Dakota Unit	NW SW Sec. 21-16S-26E	Grand Co., UT
San Arroyo	31	Dakota Unit	NW NW Sec. 22-16S-25E	Grand Co., UT
San Arroyo	32	Dakota Unit	SW SW Sec. 14-16S-25E	Grand Co., UT
San Arroyo	33	Dakota Unit	SW SW Sec. 25-16S-25E	Grand Co., UT
San Arroyo	35	Dakota Unit	SE SW Sec. 24-16S-25E	Grand Co., UT
San Arroyo	36A	Dakota Unit	SE SE Sec. 19-16S-26E	Grand Co., UT
San Arroyo	37	Dakota Unit	SW NE Sec. 20-16S-26E	Grand Co., UT
San Arroyo	38	Dakota Unit	SW NE Sec. 16-16S-25E	Grand Co., UT

Arco Fed. 27-1	NW SW Sec. 27-16S-25E	Grand Co., UT
Arco State 2-1	NW SW Sec. 2-16S-24E	Grand Co., UT
Arco State 2-2	NW SW Sec. 2-16S-24E	Grand Co., UT
Arco State 36-7	NW SW Sec. 36-15S-24E	Grand Co., UT
Arco State 36-8	NW SW Sec. 36-15S-24E	Grand Co., UT
Federal 174-1	SE SW Sec. 11-16S-25E	Grand Co., UT
Bittercreek #1	SE SW Sec. 2-16S-25E	Grand Co., UT
Black Horse 31-1	SE SW Sec. 31-15S-24E	Utah Co., UT
Fed. Gilbert #1	SE SW Sec. 31-15S-24E	Grand Co., UT

↪ per Jackie Cannon from Buch, Graham Royalty does not own  
 this well. AS 5/15/89

June 6, 1989

**RECEIVED**  
JUN 08 1989

DIVISION OF  
OIL, GAS & MINING

State of Utah  
Natural Resources  
Oil & Gas Program  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Attention: Ms. Tammy Searing

Dear Ms. Searing

Per telephone conversation this date we would like to split the wells shown on the monthly Oil & Gas Production Report turn-around document.

We would like entity numbers; 00500, 00505, 00515, 00520, 08340, 08341, and 09710, to be included on a separate report and mailed to our agent for these wells: Natural Gas Gathering Company of Texas, 12700 Northborough, Suite 100, Houston, TX 77067.

All other wells shown on our monthly report should continue to be mailed to: Graham Royalty, Ltd., 1675 Larimer Street, Suite 400, Denver, Colorado 80202.

If you should have any questions, please advise.

Sincerely,

*C. C. Robbins*  
C. C. Robbins  
Reg. Affairs Supervisor

CCR/ng



UTAH  
NATURAL RESOURCE  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

Page 3 of 5

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• GRAHAM ROYALTY, LTD.  
1675 LARIMER STREET  
DENVER CO 80202  
ATTN: CINDI ROBBINS

Utah Account No. N0505

Report Period (Month/Year) 5 / 89

Amended Report ☐

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
SAN ARROYO UNIT #37			DK-MR				
4301931252	00500	16S 26E 20					
SAN ARROYO UNIT #38			MRSN				
4301931253	00500	16S 25E 16					
SAN ARROYO 2			ENRD				
4301915885	00505	16S 25E 22					
SAN ARROYO 3			ENRD				
4301915886	00505	16S 25E 23					
SAN ARROYO 5			ENRD				
4301915888	00505	16S 25E 25					
SAN ARROYO 6			ENRD				
4301915889	00505	16S 25E 21					
SAN ARROYO 1			ENRD				
4301916532	00505	16S 25E 26					
SAN ARROYO UNIT #40			ENRD				
4301931250	00505	16S 25E 27					
BITTER CREEK #1			DK-MR				
4301930047	00515	16S 25E 2					
ARCO-STATE 2-1			DKTA				
4301930240	00520	16S 24E 2					
ARCO-STATE 2-2			DKTA				
4301930241	00520	16S 24E 2					
UTE TRIBAL #2-9C6			WSTC				
4301331096	04519	03S 06W 9					
UTE TRIBE 0-1			GR-WS				
4304730183	04520	02S 01E 4					
TOTAL							

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete. Date

Authorized signature

Telephone

PLEASE COMPLETE FORMS IN BLACK INK

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED  
FEB 14 1990

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION & SERIAL NO.  
M 0621

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1. OIL WELL ☐ GAS WELL ☒ OTHER ☐

DIVISION OF  
OIL, GAS & MINING

7. UNIT AGREEMENT NAME  
San Arroyo

2. NAME OF OPERATOR

Graham Royalty/Natural Gas Gathering Co. (Agent)

8. FARM OR LEASE NAME  
State

3. ADDRESS OF OPERATOR

P.O. Box 671906 Houston, TX 77267-1906

9. WELL NO.  
Arco State 2-2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

See also space 17 below.)

At surface

At proposed prod. zone

10. FIELD AND POOL, OR WILDCAT  
San Arroyo

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

16S 24E 2

14. API NO.

4301930241

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

12. COUNTY  
Grand

13. STATE  
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other)

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

APPROX. DATE WORK WILL START

DATE OF COMPLETION

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

\* Must be accompanied by a cement verification report.

Annual Well Status Report:

Well shut in in November, 1989: Compressors down

OIL AND GAS	
DRN	RJT
JRB	CLH
DTS	SLS
1-TAS	
2.	MICROFILM
3.	FILE

18. I hereby certify that the foregoing is true and correct.

SIGNED Paul Bernard

TITLE Controller

DATE 02-13-90

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Department of Natural Resources, Division of State Lands & Forestry, holder of lease, ML 22208 :

and hereby designates

NAME: Graham Royalty, Ltd.  
ADDRESS: 1675 Larimer Street, Suite 400  
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Director of the Division of State Lands & Forestry or his representative may serve written or oral instructions in securing compliance with the Rules and Regulations Governing the Issuance of Mineral Leases with respect to (describe acreage to which this designation is applicable):

TOWNSHIP 15½ SOUTH - RANGE 24 EAST, S.L.M.

SECTION 36: ALL

TOWNSHIP 16 SOUTH - RANGE 24 EAST, S.L.M.

SECTION 2: ALL  
GRAND COUNTY, UTAH

ARCO STATE 2-2  
API # 43-019-30241

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Rules and Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Director, Division of State Lands & Forestry or his representative.

The lessee agrees promptly to notify the Division of State Lands & Forestry of any change in the designated operator.

Prudential-Bache Energy Growth Fund L.P. G-1  
Prudential-Bache Energy Growth Fund L.P. G-2

By: Graham Royalty, Ltd., General Partner

By:

  
(Signature of Lessee)

T. J. Burnett, Jr.

Senior Vice President - Land

109 Northpark Blvd.

Covington, Louisiana 70433

(Address)

May 24, 1989  
(Date)

NORTHSTAR GAS COMPANY

256 E. North Sam Houston Parkway, Suite 250, Houston, Texas 77060  
(713) 820-6886

RECEIVED  
APR 09 1990

DIVISION OF  
OIL, GAS & MINING

April 5, 1990

Utah Natural Resources  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

To Whom It May Concern:

Northstar Gas Company is the new operating agent for Graham Royalty, Ltd. Please make any corrections necessary so we may receive our correspondence from your agency. The new information is as follows:

Northstar Gas Company  
256 E. North Sam Houston Parkway, Suite 250  
Houston, Texas 77060  
713-820-6886

Thank you.

Sincerely,

Paul A. Bernard, Jr. / LR  
Paul A. Bernard, Jr.  
Controller

NORTHSTAR GAS COMPANY

PAB/lr  
Enclosures

## STATE OF UTAH

## BOARD AND DIVISION OF OIL, GAS AND MINING

**RECEIVED**  
MAR 12 1990DIVISION OF  
OIL, GAS & MININGDESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or other extraction plant operator or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah, hereby appoint

Northstar Gas Company, Inc.256 E. North Sam Houston Parkway, Suite 250

(Address)

Houston, Texas 77060

(his, her or its) designated agent to accept and to be served with notices from the Board and Division Director or Authorized Agent in accordance with the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation of agent is filed in accordance with the statute and/or rules.

Effective Date of Designation March 1, 1990Company Graham Royalty, Ltd.Phone (303) 629-1736Address 1675 Larimer Street, Suite 400Denver, Colorado 80202

By

Wilbur L. Dover

(Signature) Wilbur L. Dover

Title Vice President/Division Manager

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O NORTHSTAR GAS CO INC  
GRAHAM ROYALTY LTD  
15000 NW FREEWAY STE 203  
HOUSTON TX 77040

UTAH ACCOUNT NUMBER: N0505

REPORT PERIOD (MONTH/YEAR): 6 / 93

AMENDED REPORT ☐ (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location		OIL(BBL)				GAS(MCF)	WATER(BBL)	
SAN ARROYO 6					ENRD	U-025244				
✓4301915889	00505	16S	25E	21						
SAN ARROYO 1					ENRD	U-071307				
✓4301916532	00505	16S	25E	26						
SAN ARROYO UNIT #40					ENRD	U-0370-A				
✓4301931250	00505	16S	25E	27						
BITTER CREEK #1					DK-MR	ML-25151				
✓4301930047	00515	16S	25E	2						
ARCO-STATE 2-1					DKTA	ML-22208				
✓4301930240	00520	16S	24E	2						
ARCO-STATE 2-2					DKTA	ML-22208				
✓4301930241	00520	16S	24E	2						
FEDERAL 174 #1					DKTA	U-0126528	"CA NW-115"			
✓4301915884	08340	16S	25E	11						
FEDERAL GILBERT #1					ENRD	U-0126528	"CA NW-115"	Btm/moab NAPRV	U-1-10-94	
✓4301911089	08341	16S	25E	11						
FEDERAL 31-1					DKTA	U-14234	Btm/vernal NAPRV	U-1-10-94		
✓4304730765	08345	15S	24E	31						
ARCO STATE 36-7					CM-MR	ML-22208				
✓4301931162	09710	15S	24E	36						
ARCO STATE #36-8					DK-MR	ML-22208				
✓4301931192	09710	15S	24E	36						
TOTALS										

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

RECEIVED

JUL 16 1993

DIVISION OF  
OIL, GAS & MINING

July 14, 1993

State of Utah  
Division of Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Attn: Ms. Lisha Cordova

Dear Ms. Cordova,

Effective August 1, 1993 we would like to change our operator name from Graham Royalty, Ltd. to Graham Energy, Ltd. Per our conversation this date it should be a simple change as no bond changes are required.

Attached is a list of the wells affected. Thank you.

Sincerely,

  
Cynthia C. Robbins  
Regulatory Affairs Supervisor

CC: Ken McKinney

## PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_☐ Suspense  
(Return Date) \_\_\_\_\_  
(To - Initials) \_\_\_\_\_☒ Other  
*Operator Change*(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
(API No.) \_\_\_\_\_1. Date of Phone Call: 7-19-93 - Time: 3:002. DOGM Employee (name) L. Cordova (Initiated Call ☒)  
Talked to:Name Cynthia Robbins (Initiated Call ☐) - Phone No. (303) 629-1736  
of (Company/Organization) Graham3. Topic of Conversation: Confirm address for Graham Energy LTD.

4. Highlights of Conversation: \_\_\_\_\_

Agent "Northstar Gas Co. Inc." is to remain the same as is Houston  
mailing address. Change address for Graham Energy LTD from  
LA to TX. (updated 7.22.93)\* 931116 - Linda Goldsby "Graham" referred to Btm. (S.Y.)

## PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

☐ Well File \_\_\_\_\_(Location) Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rng \_\_\_\_\_  
(API No.) \_\_\_\_\_☐ Suspense

(Return Date) \_\_\_\_\_

(To - Initials) \_\_\_\_\_

☒ Other

Operator Change \_\_\_\_\_

1. Date of Phone Call: 12-9-93 Time: 3:002. DOGM Employee (name) P. Cordova (Initiated Call ☒  
Talked to:Name Ken McKinney (Initiated Call ☐ - Phone No. (504) 893-8391  
of (Company/Organization) Graham Royalty / Graham Energy3. Topic of Conversation: Oper. nm. chg. "Graham Royalty to Graham Energy"

4. Highlights of Conversation:

Add'l info. required by Btms.L. "San Arroyo Unit", also Graham Energy has sold the wells to Northstar Gas Co. Inc. Documentation will follow.\* Northstar Gas Co. Inc. / Paul Bernard (713) 937-4314  
Mailing Documentation ASAP.

Bureau of Land Management  
Branch of Fluid Minerals (UT-922)  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

RECEIVED

DEC 30 1993

DIVISION OF  
OIL, GAS & MINING

December 29, 1993

Graham Energy, Ltd.  
P.O. Box 3134  
Covington, Louisiana 70434-3134

RE: San Arroyo Unit  
Grand County, Utah

Gentlemen:

On December 27, 1993, we received an indenture whereby Graham Royalty, Ltd. resigned as Unit Operator and Graham Energy, Ltd. was designated as Successor Unit Operator for the San Arroyo Unit, Grand County, Utah.

The instrument is hereby approved effective December 29, 1993. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the San Arroyo Unit Agreement.

Your nationwide (Wyoming) oil and gas bond No. 1845 will be used to cover all operations within the San Arroyo Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/S/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)  
Division of Oil, Gas & Mining  
Division of Lands and Mineral Operations U-942  
File - San Arroyo Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM 891003859A SAN ARROYO DK MO									
891003859A	✓430191589200S1	11	NESW	15	16S	25E	PGW	UTU05059C	GRAHAM ROYALTY LIMITED
891003859A	✓430191589300S1	12	SWSW	23	16S	25E	PGW	UTSL071307	GRAHAM ROYALTY LIMITED
891003859A	✓430191589400S1	13	NESW	22	16S	25E	GS1	UTU0370A	GRAHAM ROYALTY LIMITED
<del>891003859A</del>	<del>✓430191589500X1</del>	<del>14</del>	<del>SWNE</del>	<del>16</del>	<del>16S</del>	<del>25E</del>	<del>ABB</del>	<del>STATE</del>	<del>GRAHAM ROYALTY LIMITED</del>
891003859A	✓430191109100S1	15	NESW	21	16S	25E	TA	UTU0136529	GRAHAM ROYALTY LIMITED
891003859A	✓430191589600S1	16	SESW	26	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859A	✓430191589700S1	17	NENE	24	16S	25E	PGW	UTU025243	GRAHAM ROYALTY LIMITED
891003859A	✓430191589800S1	18	NWNW	30	16S	26E	GS1	UTU06023	GRAHAM ROYALTY LIMITED
891003859A	✓430191589900S1	19	SWSE	14	16S	25E	PGW	UTU05011B	GRAHAM ROYALTY LIMITED
891003859A	✓430191590000S1	20	SENE	26	16S	25E	PGW	UTSL071307	GRAHAM ROYALTY LIMITED
891003859A	✓430191590100S1	21	NWSE	25	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859A	✓430191590200S1	22	NENE	15	16S	25E	PGW	UTU05011A	GRAHAM ROYALTY LIMITED
891003859A	✓430191590300S1	24	SESW	19	16S	26E	PGW	UTU06188	GRAHAM ROYALTY LIMITED
891003859A	✓430191590400S1	25	SWNE	21	16S	25E	PGW	UTU0136529	GRAHAM ROYALTY LIMITED
891003859A	✓430191590500S1	26	SWSW	20	16S	26E	PGW	UTU025297	GRAHAM ROYALTY LIMITED
891003859A	✓430191590600S1	27	NESW	29	16S	26E	PGW	UTU06021	GRAHAM ROYALTY LIMITED
891003859A	✓430191590700S1	28	NWNE	29	16S	26E	PGW	UTU05650	GRAHAM ROYALTY LIMITED
891003859A	✓430191590800S1	29	NENE	22	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
891003859A	✓430191590900S1	30	NWSW	21	16S	26E	PGW	UTU05650	GRAHAM ROYALTY LIMITED
891003859A	✓430193052700S1	31	NWNW	22	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
891003859A	✓430193052800S1	32	SWSW	14	16S	25E	PGW	UTU05011B	GRAHAM ROYALTY LIMITED
891003859A	✓430193060800S1	33	SWSW	25	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859A	✓430191109000S1	35	SESW	24	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859A	✓430193125100S1	36-A	SESE	19	16S	26E	PGW	UTU06188	GRAHAM ROYALTY LIMITED
891003859A	✓430193125200S1	37	SWNE	20	16S	26E	PGW	UTU05650	GRAHAM ROYALTY LIMITED
891003859A	✓430193125300S1	38	NESW	16	16S	25E	PGW	STATE	GRAHAM ROYALTY LIMITED
891003859A	✓430191588700S1	4	SESW	30	16S	26E	PGW	UTU06023	GRAHAM ROYALTY LIMITED
891003859A	✓430193128900S1	41	NENE	36	16S	25E	PGW	STATE	GRAHAM ROYALTY LIMITED
891003859A	✓430193129000S1	42	NESE	30	16S	26E	PGW	UTU06023	GRAHAM ROYALTY LIMITED
891003859A	✓430193129100S1	43	NESE	29	16S	26E	PGW	UTU06021	GRAHAM ROYALTY LIMITED
891003859A	✓430193130100S1	44	SENE	30	16S	26E	PGW	UTU06023	GRAHAM ROYALTY LIMITED
891003859A	✓430193129900S1	45	NWSE	20	16S	26E	PGW	UTU05650	GRAHAM ROYALTY LIMITED
891003859A	✓430193131800S1	47	NENE	31	16S	26E	PGW	U06023	GRAHAM ROYALTY LIMITED
891003859A	✓430193131600S1	49	NENW	29	16S	26E	PGW	UTU025245	GRAHAM ROYALTY LIMITED
891003859A	✓430191589000S1	8	SWSW	16	16S	25E	PGW	STATE	GRAHAM ROYALTY LIMITED
891003859A	✓430191589100S1	9	NWNE	27	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
** INSPECTION ITEM 891003859B SAN ARROYO EN									
891003859B	✓430191653200S1	1	SESW	26	16S	25E	PGW	UTSL071307	GRAHAM ROYALTY LIMITED
891003859B	✓430191588500S1	2	SESW	22	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
891003859B	✓430191588600S1	3	SESW	23	16S	25E	GS1	UTU0369	GRAHAM ROYALTY LIMITED
891003859B	✓430193125000S1	40	NWNE	27	16S	25E	PGW	UTU0370A	GRAHAM ROYALTY LIMITED
891003859B	✓430191588800S1	5	NWSE	25	16S	25E	PGW	UTU0369	GRAHAM ROYALTY LIMITED
891003859B	✓430191588900S1	6	SWNE	21	16S	25E	PGW	UTU0136529	GRAHAM ROYALTY LIMITED

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEC	7-SJ
2-DT	8-FILE
3-VLC	
4-RJF	
5-ELC	
6-FL	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-93)

TO (new operator) GRAHAM ENERGY LTD  
 (address) C/O NORTHSTAR GAS CO INC  
15000 NW FREEWAY STE 203  
HOUSTON, TX 77040  
 phone (713) 937-4314  
 account no. N 7590

FROM (former operator) GRAHAM ROYALTY LTD  
 (address) C/O NORTHSTAR GAS CO INC  
15000 NW FREEWAY STE 203  
HOUSTON, TX 77040  
 phone (713) 937-4314  
 account no. N0505(A)

Well(s) (attach additional page if needed):

**\*SAN ARROYO UNIT, NW-115, ETC.**

Name: <b>**SEE ATTACHED**</b>	API: <u>019-30241</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). Check 7-16-93
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). See Graham Royalty, LTD, Graham Energy, LTD and Graham Resources Inc.
- See 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes)/no \_\_\_\_ If yes, show company file number: #100783.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (1-10-94)
- See 6. Cardex file has been updated for each well listed above. (1-10-94)
- See 7. Well file labels have been updated for each well listed above. (1-10-94)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (1-10-94)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- YEC 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only) \* 50,000 Surety "St. Paul Fire and Marine Ins. Co." No chg. necessary, no Fee wells currently associated with bond.

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

## FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 10 1994.

## FILING

- ✓ 1. Copies of all attachments to this form have been filed in each well file.
- ✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

## COMMENTS

940107 Bfm/S.Y. Approved C.A. NW-115 and San Arroyo Unit eff. 12-29-93.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

ML-222208

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT— for such proposals

1. Type of Well

☐ Oil Well☒ Gas Well☐ Other (specify)

2. Name of Operator

NORTHSTAR GAS COMPANY INC.

3. Address of Operator 15000 NORTHWEST FWY, SUITE 203  
HOUSTON TX 77040

4. Telephone Number

713-937-4314

9. Well Name and Number

SEE BELOW

10. API Well Number

SEE BELOW

11. Field and Pool, or Wildcat

5. Location of Well

Footage :

QQ, Sec. T., R., M. :

County : GRAND

State : UTAH

## 12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Recompletion         |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion     | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other        |   |

Approximate Date Work Will Start

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandonment             | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Casing Repair           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans         | <input type="checkbox"/> Shoot or Acidize     |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat          | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other        | <u>CHANGE OF OPERATOR</u>                     |

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

\* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

NORTHSTAR GAS COMPANY INC. TOOK OVER AS OPERATOR FROM GRAHAM ROYALTY LTD.  
ON 09-01-93 WITH THE EFFECTIVE DATE OF SALE 09-01-93.

Well Name	API #	Location
ARCO STATE 2-1	4301930240	16S 24E 2
ARCO STATE 2-2	4301930241	16S 24E 2
ARCO STATE 36-7	4301931162	15S 24E 36
ARCO STATE 36-8	4301931192	15S 24E 36

JAN 4 1994

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name &amp; Signature PAUL BERNARD

Title SEC/TREAS

Date 12-20-93

(State Use Only)

**S. E. U. T. CO.**

Accommodation Recording  
Not Examined

*\*Rec'd 4-11-94*

**ASSIGNMENT, BILL OF SALE  
AND CONVEYANCE**

Entry No. **429639**  
Recorded 10-22-93 2 36 PM  
Bk. 457 Pg. 83 Fee 80.00  
*96*  
Mallene Mosher  
Recorder of Grand County

This Assignment, Bill of Sale and Conveyance ("Assignment"), is from each of Prudential-Bache Energy Growth Fund, L.P. G-1 and Prudential-Bache Energy Growth Fund, L.P. G-2, each a Delaware limited partnership and acting herein through their general partner, Graham Energy, Ltd. (collectively, "Assignor"), to Northstar Gas Company, Inc. ("Assignee"). Assignor has an address of 109 Northpark Boulevard, Covington, Louisiana 70433, and Assignee has an address of 15000 Northwest Freeway, Suite 203, Houston, Texas 77040.

For, and in consideration of Ten Dollars (\$10.00) cash and other good and valuable consideration in hand paid, the receipt and adequacy of which are hereby acknowledged, each Assignor does hereby, severally, and not jointly, Bargain, Sell, Transfer, Set Over, Grant, Assign, Convey and Deliver unto Assignee, all of such Assignor's right, title, interest and estate in and to the oil and gas properties described on Exhibit "A" (the "Oil and Gas Properties"). The Oil and Gas Properties shall include all mineral interests, working interests, overriding interests, reversionary interests, net profits interests, net revenue interests and any other interest of any kind without warranty of title either express or implied, to the extent they are owned and may be conveyed by Sellers.

The Oil and Gas Properties shall include, to the extent each Assignor may lawfully assign same, all of such Assignor's rights, title, interest and estate in and to the property and rights incident, and to the extent attributable, to the Oil and Gas Properties, the lands covered thereby or utilized therewith, including, without limitation, (i) all presently existing pooling or unitization agreements and the units created thereby, and all units formed by virtue of orders issued by applicable State regulatory agencies, (ii) all presently existing operating agreements and all other contracts, agreements and records, (iii) all personal property, easements, permits, surface leases, servitudes and rights-of-way situated upon or used in connection with the production, treating, storing or transportation of oil, gas or other hydrocarbons or minerals.

TO HAVE AND TO HOLD the Oil and Gas Properties unto Assignee and its successors and assigns forever.

NOTWITHSTANDING ANY PROVISION IN THIS ASSIGNMENT OR ANY DOCUMENT DELIVERED IN CONNECTION HERewith TO THE CONTRARY, THE OIL AND GAS PROPERTIES AND ANY OTHER PROPERTY OR RIGHTS CONVEYED HEREUNDER ARE CONVEYED "AS IS," "WHERE IS," "WITH ALL FAULTS," AND IN THEIR PRESENT CONDITION AND STATE OF REPAIR, AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTY, INCLUDING WARRANTY OF TITLE OR ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR CONFORMITY TO MODELS OR SAMPLES OR AS TO ANY CLAIM BY ASSIGNEE FOR DAMAGES BECAUSE OF DEFECTS, WHETHER KNOWN OR UNKNOWN, OR ANY OTHER SORT OF WARRANTY. ASSIGNEE HAS INSPECTED, OR HAS HAD THE OPPORTUNITY TO INSPECT, THE OIL AND

GAS PROPERTIES AND PREMISES FOR ALL PURPOSES, INCLUDING WITHOUT LIMITATION FOR THE PURPOSE OF DETERMINING THE PRESENCE OF ENVIRONMENTAL CONDITIONS, OF DETECTING THE PRESENCE OF NATURALLY OCCURRING RADIOACTIVE MATERIAL "(NORM)" AND MAN-MADE MATERIAL FIBERS "(MMMF)" AND HAS SATISFIED ITSELF AS TO THEIR PHYSICAL AND ENVIRONMENTAL CONDITIONS, BOTH SURFACE AND SUBSURFACE. ASSIGNEE ACCEPTS ALL OF THE SAME IN THEIR "AS IS," "WHERE IS," CONDITION, AND EACH ASSIGNOR EXPRESSLY DISCLAIMS ANY LIABILITY ARISING IN CONNECTION WITH ANY PRESENCE OR ENVIRONMENTAL CONDITIONS, NORM OR MMMF ON THE OIL AND GAS PROPERTIES.

From and after the Effective Time, Assignee hereby agrees to assume, be bound by and subject to each Assignor's express and implied covenants, rights, obligations and liabilities with respect to the Oil and Gas Properties, and Assignee's interest in the Oil and Gas Properties shall bear its proportionate share of royalty interests, overriding royalty interests and other payments out of or measured by production from and after the Effective Time.

This Assignment is made expressly subject to all existing overriding royalties or other burdens affecting the Oil and Gas Properties as listed on Exhibit "A."

Assignee and its permitted successors and assigns shall preserve and maintain all lease, contract and title files, well logs, well files, division orders and related files, title documentation, correspondence and other data and records in the possession of Assignor pertaining to the Oil and Gas Properties (the "Records") for a period of two (2) years from the date of acknowledgement of this Assignment, during such period shall afford Assignor and its duly authorized representatives access at all reasonable times during normal business hours to all Records as Assignor shall request in order to defend against, oppose or otherwise investigate any claims or potential claims against Assignor arising as a result of any acts, events or operations prior to the date of acknowledgement of this Assignment or as a result of this Assignment, and shall make any conveyance or transfer of the Oil and Gas Properties specifically subject to the obligations of this paragraph.

Notwithstanding any other provision herein to the contrary, this Assignment is made with full substitution and subrogation of Assignee in and to all covenants and warranties by others heretofore given or made to Assignors in respect of the Oil and Gas Properties or any part thereof.

The provisions hereof shall be covenants running with the land and shall be binding upon and inure to the benefit of the parties hereto, their respective successors and assigns.

In the event two or more Oil and Gas Properties cover the same land (e.g., an oil and gas leasehold interest included within the Oil and Gas Properties may cover the same land as a mineral, royalty or overriding interest included within the Oil and Gas Properties), no merger of title shall occur, and each of the Oil and Gas Properties covering the same land is conveyed and shall be owned by Assignee as a separate and distinct property.

Separate assignments of certain of the Oil and Gas Properties may be executed on officially approved forms by Assignor to Assignee in sufficient counterparts to satisfy applicable statutory and regulatory requirements. Those assignments shall be deemed to contain all of the exceptions, reservations, rights, titles, power and privileges set forth herein as fully as though they were set forth in each such assignment. The interests conveyed by such separate assignments are the same, and not in addition to, the Oil and Gas Properties conveyed herein.

The parties agree to take all such further actions and execute, acknowledge and deliver all such further documents that are necessary or useful in carrying out the purposes of this Assignment. Assignor agrees to execute, acknowledge and deliver to Assignee all such other additional instruments, notices, division orders, transfer orders and other documents and to do all such other and further acts and things as may be necessary to more fully and effectively grant, convey and assign to Assignee the Oil and Gas Properties conveyed hereby or intended so to be.

This Assignment may be executed in any number of counterparts, and each counterpart hereof shall be deemed to be an original instrument, but all such counterparts shall constitute but one assignment.

References in this Assignment and in Exhibit "A," to contracts, agreements or instruments shall not be deemed to create any rights in favor of any third party.

Assignee joins in the execution hereof for the purpose of being bound by all the terms, provisions, obligations and covenants herein specified.

IN WITNESS WHEREOF, this instrument is signed and executed in multiple counterparts as of the date (s) set forth on the acknowledgements hereto, but, shall be effective for all purposes as of 7:00 o'clock A.M., local time, September 1, 1993 (the "Effective Time").

ASSIGNORS:

PRUDENTIAL-BACHE ENERGY  
GROWTH FUND, L.P. G-1

ATTEST:

By: 

By: Graham Energy, Ltd.,  
as General Partner

By: 

Kenneth M. McKinney  
Vice President

[SEAL]

PRUDENTIAL-BACHE ENERGY  
GROWTH FUND, L.P. G-2

ATTEST:

By: \_\_\_\_\_

By: Graham Energy, Ltd., as  
General Partner

By: \_\_\_\_\_

  
Kenneth M. McKinney  
Vice President

[SEAL]

WITNESSES TO ASSIGNORS'  
SIGNATURES:

Mina E. Merc

Belinda J. Hunt

ATTEST:

By: \_\_\_\_\_

[SEAL]

WITNESSES TO ASSIGNEE'S  
SIGNATURE:

Mina E. Merc

Belinda J. Hunt

ASSIGNEE:

NORTHSTAR GAS COMPANY, INC.

By: \_\_\_\_\_

  
O. J. King  
Vice President

STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>th</sup> day of October, 1993, before me, the undersigned Notary, personally appeared Kenneth M. McKinney, who acknowledged that he is the Vice President of Graham Energy, Ltd., the general partner of Prudential-Bache Energy Growth Fund, L.P. G-1, a Delaware limited partnership, and that as President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation as general partner of Prudential-Bache Energy Growth Fund, L.P. G-1.

IN WITNESS WHEREOF, I hereunder set my hand and official seal.



NOTARY PUBLIC

My Commission Expires:

WILLIAM H. HARDIE, III  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]

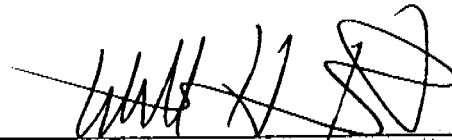


STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>th</sup> day of October, 1993, before me, the undersigned Notary, personally appeared Kenneth M. McKinney, who acknowledged that he is the Vice President of Graham Energy, Ltd., the general partner of Prudential-Bache Energy Growth Fund, L.P. G-2, a Delaware limited partnership, and that as President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation as general partner of Prudential-Bache Energy Growth Fund, L.P. G-2.

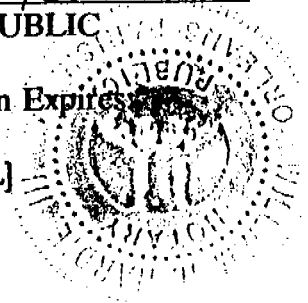
IN WITNESS WHEREOF, I hereunder set my hand and official seal.

  
\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires

WILLIAM H. HARDIE, III  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]

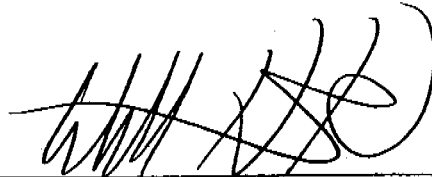


STATE OF LOUISIANA

PARISH OF ORLEANS

ON THIS, the 20<sup>th</sup> day of October, 1993, before me, the undersigned Notary, personally appeared O. J. King, who acknowledged that he is the Vice President of Northstar Gas Company, Inc., a Texas corporation, and that as Vice President he is authorized to execute the foregoing instrument for the purposes therein contained by signing the name of said corporation.

IN WITNESS WHEREOF, I hereunder set my hand and official seal.

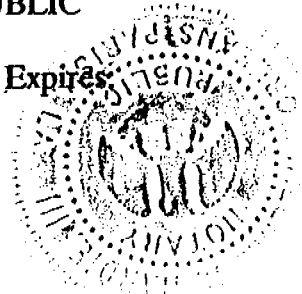


NOTARY PUBLIC

My Commission Expires:

WILLIAM H. HARDIE, III  
NOTARY PUBLIC  
Parish of Orleans, State of Louisiana  
My Commission is issued for Life.

[SEAL]



**EXHIBIT "A"**  
**ATTACHED TO ASSIGNMENT,**  
**BILL OF SALE AND CONVEYANCE**  
**PART I**  
**LANDS AND LEASES**  
**ALL IN GRAND COUNTY, UTAH UNLESS OTHERWISE SPECIFIED**

Lease Serial Number	Lessor	Lessee	Description of Lands	Book	Page	Lease Date	Associated Properties
ML-22208 (1038)	State of Utah	Atlantic Richfield Company	T15 1/2S, R24E, SLM Sec. 36: All T16S, R24E, SLM Sec. 2: All	220	177	9-28-64	ARCO State 2-1, 2-2, 36-7, 36-8
U-29645 (1174)	U.S.A.	Atlantic Richfield Company	T16S, R25E, SLM Sec. 27: SW/4, S/2 SE/4 Sec. 34: NE/4, NE/4 NW/4, NE/4 SE/4			5-1-75	ARCO 27-1 Valentine Fed #2 ARCO Fed D-1
ML-25151 (191-1)	State of Utah	Sinclair Oil & Gas Company	T16S, R25E, SLM Section 2: All	163	390	3-7-68	Bittercreek #1
J-0126528 (174-1)	U.S.A.	James F. Gilbert	T16S, R25E, SLM Sec. 11: N/2, N/2 SW/4, SE/4 SW/4, SE/4 Sec. 12: S/2			12-1-63	Federal Gilbert #1 Federal 174-1 ARCO Fed H-1
U-0141420 (180-1)	U.S.A.	Sinclair Oil Company	T16S, R25E, SLM Sec. 11: SW/4 SW/4			8-1-64	Federal 174-1
ML-4113 (44-1)	State of Utah	Lois A. Aubrey	T16S, R25E, SLM Sec. 16: All	6-Q	207	1-2-52	San Arroyo Unit Area
U-05011-A (45-2)	U.S.A.	Pierce T. Norton	T16S, R25E, SLM Sec. 14: NW/4, SE/4 SE/4, N/2 SE/4, NE/4 SW/4 Sec. 15: NE/4			9-1-51 *4-1-55	Tenneco Fed 14-2 San Arroyo Unit Area

Leases Segregated Effective

## EXHIBIT "A"

## PART I

Lease Serial Number	Lessor	Lessee	Description of Lands	Book	Page	Lease Date	Associated Properties
U-0369 (46-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 23: N/2 Sec. 24: W/2, SE/4, S/2 NE/4 Sec. 25: All Sec. 26: N/2 S/2, SE/4 SW/4, S/2 SE/4			2-1-51	San Arroyo Unit Area
SL-071307 (47-1)	U.S.A.	James E. Croudace	T16S, R25E, SLM Sec. 23: S/2 Sec. 26: N/2			12-1-50	San Arroyo Unit Area
U-0370-A (48-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 21: E/2 NE/4, NE/4 SE/4 Sec. 22: All Sec. 27: NE/4, NE/4 NW/4, NE/4 SE/4			2-1-51 *6-1-55	San Arroyo Unit Area
U-05059-A (49-2)	U.S.A.	L. J. Batchelor	T16S, R25E, SLM Sec. 15: NW/4 SW/4, E/2 NW/4, SW/4 NW/4			10-1-51 *9-19-61	San Arroyo Unit Area
U-06021 (51-1)	U.S.A.	Fred A. Moore	T16S, R26E, SLM Sec. 29: S/2, S/2 NW/4, NW/4 NW/4			2-1-52	San Arroyo Unit Area
U-06023 (52-1)	U.S.A.	Adiel E. Stewart	T16S, R26E, SLM Sec. 30: All Sec. 31: N/2 N/2			2-1-52	San Arroyo Unit Area
U-06188 (53-1)	U.S.A.	C. M. Rood	T16S, R26E, SLM Sec. 19: SW/4, S/2 NW/4, W/2 SE/4, SE/4 SE/4			*3-1-52	San Arroyo Unit Area

Lease Segregated Effective

**EXHIBIT "A"**  
**PART I**

<u>Lease Serial Number</u>	<u>Lessor</u>	<u>Lessee</u>	<u>Description of Lands</u>	<u>Book</u>	<u>Page</u>	<u>Lease Date</u>	<u>Associated Properties</u>
U-05011-B (56-1)	U.S.A.	Pierce T. Norton	T16S, R25E, SLM Sec. 14: SW/4 SE/4, W/2 SW/4, SE/4 SW/4 Sec. 15: SE/4			9-1-51 *2-1-57	San Arroyo Unit Area
U-05059-C (57-1)	U.S.A.	L. J. Batchelor	T16S, R25E, SLM Sec. 15: E/2 SW/4, SW/4 SW/4			*3-1-57	San Arroyo Unit Area
U-025243 (60-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 24: N/2 NE/4			*8-27-57	San Arroyo Unit Area
U-025245 (61-1)	U.S.A.	Fred A. Moore	T16S, R26E, SLM Sec. 29: NE/4 NW/4			2-1-52 *9-1-57	San Arroyo Unit Area
U-025297 (64-2)	U.S.A.	C. M. Rood	T16S, R26E, SLM Sec. 19: N/2 N/2 S/2 NE/4, NE/4 SE/4 Sec. 20: W/2			3-1-52	San Arroyo Unit Area
U-06188-B (74-1)	U.S.A.	Sinclair Oil Corporation	T16S, R25E, SLM Sec. 35: N/2			3-1-52	San Arroyo Unit Area
U-05059-F (134-1)	U.S.A.	L. J. Batchelor	T16S, R25E, SLM Sec. 15: NW/4 NW/4			10-1-51 *9-19-61	San Arroyo Unit Area
U-025243-A (139-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 26: SW/4 SW/4			2-1-51 *1-1-61	San Arroyo Unit Area
U-05650 (176-1)	U.S.A.	Virginia E. Lewis	T16S, R26E, SLM Sec. 21: Lots 2, 3, 4, W/2 W/2 Sec. 20: E/2 Sec. 28: Lots 1, 2, 3, 4 W/2 W/2 Sec. 29: NE/4			12-1-51	San Arroyo Unit Area

Lease Segregated Effective

**EXHIBIT "A"**  
**PART I**

<u>Lease Serial</u> <u>Number</u>	<u>Lessor</u>	<u>Lessee</u>	<u>Description</u> <u>of Lands</u>	<u>Book</u>	<u>Page</u>	<u>Lease</u> <u>Date</u>	<u>Associated</u> <u>Properties</u>
U-0136529 (4000-1)	U.S.A.	Clair D. Jones	T16S, R25E, SLM Sec. 21: W/2 NE/4, E/2 NW/4, W/2 SE/4, SE/4 SE/4, NE/4 SW/4, Sec. 27: W/2 NW/4, SE/4 NW/4, NW/4 SE/4 Sec. 28: NE/4 NE/4			2-1-51 *1-22-64	San Arroyo Unit Area
U-05650-A (177-1)	U.S.A.	Virginia E. Lewis	T16S, R26E, SLM Sec. 21: Lot 1			12-1-51 *10-1-61	San Arroyo Unit Area
U-9831 (949)	U.S.A.	Williams H. Short, Jr. and Franklin Knebel	T16S, R25E, SLM INSOFAR AND ONLY INSOFAR as said lease covers: Sec. 6: All			10-10-69	ARCO Fed B-1
U-14234	U.S.A.	Arthur E. Meinhart	T15S, R24E, SLM Sec. 30: All Sec. 31: All Uintah Co., UT			4-1-71	Black Horse Canyon Federal 31-1

Lease Segregated Effective

**EXHIBIT A**  
**Attached to Assignment,**  
**Bill of Sale and Conveyance**

**Part II**

**[OMITTED]**

**EXHIBIT A**  
**ATTACHED TO ASSIGNMENT, BILL OF SALE AND CONVEYANCE**  
**PART III**  
**CONTRACTS AND AGREEMENTS**

**PROPERTY  
REFERENCE**

- |  |  |
|--|--|
| San Arroyo<br>Unit Area                                | 1. Unit Agreement for the Development and Operation of the San Arroyo Unit Area, dated June 11, 1956.  |
| San Arroyo<br>Unit Area                                | 2. Unit Operating Agreement for the San Arroyo Unit Area, dated August 16, 1961.   |
| Valentine<br>Fed #2                                    | 3. Communitization Agreement covering the W $\frac{1}{2}$ of Section 34, T16S-R25E.  |
| ARCO<br>Fed. D-1                                       | 4. Communitization Agreement covering the E $\frac{1}{2}$ of Section 34, T16S-R25E.  |
| Fed. 174-1   | 5. Communitization Agreement, dated March 3, 1965 covering the W $\frac{1}{2}$ Section 11, T16S-R25E.  |
| Tenneco<br>Fed. 14-2                                   | 6. Communitization Agreement dated January 1, 1980, covering the N $\frac{1}{2}$ of Section 14, T16S-R25E.   |
| Tenneco<br>Fed. 14-2                                   | 7. Operating Agreement dated June 5, 1980, designating Tenneco Oil Company as Operator and covering the N $\frac{1}{2}$ of Section 14, T16S-R25E.  |
| ARCO<br>Fed. H-1<br>Fed. D-1                           | 8. Farmout Agreement and Operating Agreement dated August 16, 1982, between ARCO Oil & Gas Company and TXO Production Corp., covering the S $\frac{1}{2}$ Section 12, T16S-R25E.   |
| San Arroyo<br>Unit Area                                | 9. Farmout Agreement dated June 6, 1955 by and between H. W. Dougherty and Sinclair Oil and Gas Company, covering lands in sections 21, 22, 23, 24, 25, 26 and 27, T16S-R25E.  |
| ARCO<br>Fed. B-1,<br>Fed. C-1;<br>Valentine<br>Fed. #2 | 10. Farmout Agreement and Operating Agreement between ARCO Oil and Gas Company and Texas Oil and Gas Corp., dated September 30, 1979, covering all of Sections 6 and 34 and the N $\frac{1}{2}$ NW $\frac{1}{2}$ , NW $\frac{1}{2}$ NE $\frac{1}{2}$ and S $\frac{1}{2}$ N $\frac{1}{2}$ of Section 35, T16S-R25E. |

EXHIBIT "A"  
 ATTACHED TO AND MADE A PART OF THE  
 ASSIGNMENT, BILL OF SALE AND CONVEYANCE  
 PART IV  
 INTEREST IN PROPERTIES AND WELLS

PAGE 1

PROPERTY NAME	COUNTY	STATE	OPERATOR	WORKING INTEREST DECIMAL	NET REVENUE INTEREST DECIMAL	OVERRIDING ROYALTY INTEREST DECIMAL
ARCO STATE #2-1	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO STATE #2-2	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO STATE #36-7	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO STATE #36-8	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO STATE #27-1	GRAND	UTAH	URI	1.000000000	0.875000000	
VALENTINE FED. #2	GRAND	UTAH	LONE MIN.	0.043750000	0.038281200	
FEDERAL 174 #1	GRAND	UTAH	URI	1.000000000	0.848750000	
BITTERCREEK #1	GRAND	UTAH	URI	1.000000000	0.875000000	
ARCO FEDERAL #B-1	GRAND	UTAH	LONE MIN.	0.000000000	0.000000000	0.125000000
ARCO FEDERAL #C-1	GRAND	UTAH	LONE MIN.	0.500000000	0.420000000	
ARCO FEDERAL #D-1	GRAND	UTAH	LONE MIN.	0.218750000	0.191406200	
ARCO FEDERAL #H-1	GRAND	UTAH	LONE MIN.	0.000000000	0.000000000	0.062500000
TENNECO FED. #14-2	GRAND	UTAH	LONE MIN.	0.500000000	0.412500000	
GILBERT FEDERAL #1	GRAND	UTAH	URI	1.000000000	0.845000000	

SAN ARROYO UNIT AREA  
 ENTRADA PARTICIPATING AREA

SAN ARROYO #1	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #2	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #3	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #5	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #6	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #40U	GRAND	UTAH	URI	1.000000000	0.825000000
SAN ARROYO #40L	GRAND	UTAH	URI	1.000000000	0.825000000

San Arroyo Wells ARE SUBJECT TO A NET PROFITS INTEREST CREATED BY AND SUBJECT TO THAT CERTAIN  
 FARMOUT AGREEMENT DATED JUNE 6, 1955.

# Speed Letter.

To Ed Bonner

From Don Staley

State Lands

Oil, Gas and Mining

Subject Operator Change

MESSAGE

Date

4/14

19 94

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s). These companies have complied with our requirements. Our records have been updated. Bonding should be reviewed by State Lands ASAP.

Former Operator: GRAHAM ENERGY LTD (N 7590)

New Operator : NORTASTAR GAS CO. (N 6680)

Well:	API:	Entity:	S-T-R:
FEDERAL 174-1	43-019-15884	08340	11-165-25E
BITTER CREEK 1	30047	00515	2-165-25E
ARLO STATE 2-1	30240	00520	2-165-24E
ARLO STATE 2-2	30241	00520	2-165-24E
ARLO STATE 36-7	31162	09710	36-155-24E
ARLO STATE 36-8	31172	09710	36-155-24E

CC: Operator File

Signed

Don Staley

REPLY

Date

19

Signed

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEC	7-SJ
2-DEC	8-FILE
3-VLC	
4-RJH	
5-DEC	
6-PL	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 9-1-93)

TO (new operator) NORTHSTAR GAS COMPANY INC  
 (address) 820 GRESSNER #1630  
HOUSTON TX 77024  
PAUL BERNARD  
 phone (713) 935-9542  
 account no. N 6680

FROM (former operator) GRAHAM ENERGY LTD  
 (address) 15000 NW FREEWAY STE 203  
HOUSTON TX 77040  
C/O NORTHSTAR GAS CO INC  
 phone (713) 937-4314  
 account no. N 7590

Well(s) (attach additional page if needed):

**\*CA NW-115**

Name: <u>*FEDERAL 174 #1/DKTA</u>	API: <u>43-019-15884</u>	Entity: <u>8340</u>	Sec <u>11</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>U012652</u>
Name: <u>BITTER CREEK 1/CDMTN</u>	API: <u>43-019-30047</u>	Entity: <u>00515</u>	Sec <u>2</u> Twp <u>16S</u> Rng <u>25E</u>	Lease Type: <u>ML25151</u>
Name: <u>ARCO-STATE 2-1/DKTA</u>	API: <u>43-019-30240</u>	Entity: <u>00520</u>	Sec <u>2</u> Twp <u>16S</u> Rng <u>24E</u>	Lease Type: <u>ML22208</u>
Name: <u>ARCO-STATE 2-2/DKTA</u>	API: <u>43-019-30241</u>	Entity: <u>00520</u>	Sec <u>2</u> Twp <u>16S</u> Rng <u>24E</u>	Lease Type: <u>ML22208</u>
Name: <u>ARCO STATE 36-7/CM-MR</u>	API: <u>43-019-31162</u>	Entity: <u>09710</u>	Sec <u>36</u> Twp <u>15S</u> Rng <u>24E</u>	Lease Type: <u>ML22208</u>
Name: <u>ARCO STATE 36-8/DK-MR</u>	API: <u>43-019-31192</u>	Entity: <u>09710</u>	Sec <u>36</u> Twp <u>15S</u> Rng <u>24E</u>	Lease Type: <u>ML22208</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Reg. 1-14-94) (Reg. 3-28-94) (Reold Assgn., Bill of Sale 4-11-94)
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Reg. 1-14-94)
- Lee 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #144214.
- Lee 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (4-11-94)
- Lee 6. Cardex file has been updated for each well listed above. (4-11-94)
- Lee 7. Well file labels have been updated for each well listed above. (4-11-94)
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-11-94)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- lec 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only)

- N/A 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- lec 2. A copy of this form has been placed in the new and former operators' bond files.
- lec 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 4-19-94 1994. If yes, division response was made by letter dated 4-19-94 1994.

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 4-19-94 1994, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.

- lec 2. Copies of documents have been sent to State Lands for changes involving State leases. 4/19/94 to Ed Bonner

## FILMING

- lec 1. All attachments to this form have been microfilmed. Date: 4-19-94 1994.

## FILING

- lec 1. Copies of all attachments to this form have been filed in each well file.
- lec 2. The original of this form and the original attachments have been filed in the Operator Change file.

## COMMENTS

940328 Btm/S.T. Apr. v. eff. 3-23-94.



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

September 28, 1995

North Star Gas Company, Inc.  
820 Gessner #1630  
Houston, Texas 77024

Re: ARCO State 2-2 Well, Sec.2, T16S, R24E, Grand County, Utah

Gentlemen:

A recent complaint and subsequent inspection of the referenced well location revealed a produced water disposal problem which needs your attention. Water produced at this location is being discharged to an unlined pit which is overflowing. The pit does not meet lining, fencing or freeboard requirements. The five barrel per day limitation for disposal into on-site pits is also being exceeded. Dead wildlife and livestock were observed in the general vicinity which may or may not be related to this pit and its contents.

We request that if this pit is to be used for water disposal in the future that it be upgraded to meet proper lining requirements (enclosed guidance document), the fence be repaired, and the volume restriction be observed or be replaced with a tank or other full containment structure. We request that this work be completed or in progress within fifteen days following receipt of this letter.

Thank you for your cooperation in this matter. Please call this office if you have questions concerning proper water disposal methods and/or pit construction.

Sincerely,

Gil Hunt  
Environmental Manager, Oil & Gas

enclosures

cc: D. Ingram  
R.J. Firth



NO SMOKING  
MATCHES OR  
OPEN LIGHTS.

**NORTHSTAR GAS CO.**

ARCO STATE NO. 2-2  
STATE LSE. NO. ML-22208



NW<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub> SEC. 2-16S-24E  
GRAND COUNTY, UTAH

303-892-1810



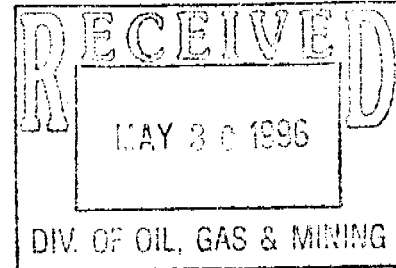


600 Central Park Two / 515 Central Park Drive / Oklahoma City, OK 73105  
Post Office Box 24300 / Oklahoma City, Oklahoma 73124-0300  
405 525-7788 / FAX 405 557-5258

May 21, 1996

Ms. Lisha Cordova  
State of Utah  
Department of Oil, Gas & Mining  
Salt Lake City, Utah 84111-2303

Re: Acquisition of Producing Properties  
and Operatorship from Northstar Resources  
Grand and Uintah Counties, Utah



Dear Ms. Cordova:

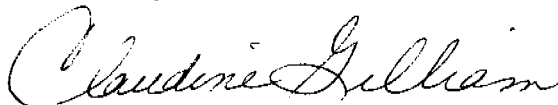
Enogex Exploration Corporation acquired the working interest and operatorship of certain properties in Grand and Uintah Counties, Utah from Northstar Resources, Inc. effective 5/1/96. In this regard we enclose the following for the records:

1. Original Sundry Notices filed in triplicate for each of the wells on the three leases where the State of Utah owns the mineral rights.
2. Three copies each of the Sundry Notices for the 1 Gilbert and the 27-1 which has been approved by the BLM.
3. A copy of the Resignation of Unit Operator and Designation of Successor Unit Operator for the San Arroyo Unit along with approval of same by the BLM.
4. A copy of the Successor Operator of Communitization Agreement NW-115 along with approval of same by the BLM.
5. A list of the wells and locations which Enogex Exploration Corporation acquired from Northstar Resources and will be operating.

Please be advised we provided our State of Utah Blanket Bond in the amount of \$80,000 with our letter dated April 16, 1996, to the School & Institutional Trust Lands Administration

If any thing further is needed, please contact the undersigned at 405 557-5281.

Sincerely,

A handwritten signature in cursive script that reads "Claudine Gilliam". The signature is written in dark ink and is positioned above the printed name and title.

Claudine Gilliam  
Senior Landman

## WELL LISTING FOR ACQUISITION FROM NORTHSTAR RESOURCES, INC.

EFFECTIVE 3/1/96

	WELL NAME	DESCRIPTION	SEC.	TWN	RGE	COUNTY	STATE
1	BLACKHORSE FEDERAL #31-1	E/2 SW/4	31	15S	24E	UINTAH	UTAH
2	ARCO STATE #2-1	SE/4	2	16S	24E	GRAND	UTAH
3	ARCO STATE #2-2	NW/4	2	16S	24E	GRAND	UTAH
4	ARCO STATE #36-7	SE/4	36	15 1/2S	24E	GRAND	UTAH
5	ARCO STATE #36-8	SW/4	36	15 1/2S	24E	GRAND	UTAH
6	ARCO STATE #27-1	SW/4	27	16S	25E	GRAND	UTAH
7	FEDERAL 174 #1	SW/4	11	16S	25E	GRAND	UTAH
8	BITTERCREEK #1	S/2 S/2	2	16S	25E	GRAND	UTAH
9	SAN ARROYO #1	S/2 N/2	26	16S	25E	GRAND	UTAH
10	SAN ARROYO #2 (Non-Producing)	S/2 N/2	22	16S	25E	GRAND	UTAH
11	SAN ARROYO #3	NW/4	23	16S	25E	GRAND	UTAH
12	SAN ARROYO #40	NE/4 NE/4	27	16S	25E	GRAND	UTAH
13	SAN ARROYO #5	SE/4	25	16S	25E	GRAND	UTAH
14	SAN ARROYO #6	SW/4 NE/4	21	16S	25E	GRAND	UTAH
15	SAN ARROYO #4	SW/4	30	16S	26E	GRAND	UTAH
16	SAN ARROYO #8	SW/4	16	16S	25E	GRAND	UTAH
17	SAN ARROYO #9	SW/4 NE/4	27	16S	25E	GRAND	UTAH
18	SAN ARROYO #11	SW/4	15	16S	25E	GRAND	UTAH
19	SAN ARROYO #12	SW/4	23	16S	25E	GRAND	UTAH
20	SAN ARROYO #13	SW/4	22	16S	25E	GRAND	UTAH
21	SAN ARROYO #16	SW/4	26	16S	25E	GRAND	UTAH
22	SAN ARROYO #17	NE/4	24	16S	25E	GRAND	UTAH
23	SAN ARROYO #18	NW/4 NW/4	30	16S	26E	GRAND	UTAH
24	SAN ARROYO #19	SE/4	14	16S	25E	GRAND	UTAH
25	SAN ARROYO #20	NE/4	26	16S	25E	GRAND	UTAH
26	SAN ARROYO #21	SE/4	25	16S	25E	GRAND	UTAH
27	SAN ARROYO #22	NE/4	15	16S	25E	GRAND	UTAH
28	SAN ARROYO #24	NW/4	19	16S	26E	GRAND	UTAH
29	SAN ARROYO #25	NE/4	21	16S	25E	GRAND	UTAH
30	SAN ARROYO #26	SW/4	20	16S	26E	GRAND	UTAH
31	SAN ARROYO #27	SW/4	29	16S	26E	GRAND	UTAH
32	SAN ARROYO #28	NE/4	29	16S	26E	GRAND	UTAH
33	SAN ARROYO #29	NE/4	22	16S	25E	GRAND	UTAH
34	SAN ARROYO #30	W/2	21	16S	26E	GRAND	UTAH
35	SAN ARROYO #31	NW/4 NW/4	22	16S	25E	GRAND	UTAH
36	SAN ARROYO #32 (Non-Producing)	SW/4	14	16S	25E	GRAND	UTAH
37	SAN ARROYO #33	SW/4	25	16S	25E	GRAND	UTAH
38	SAN ARROYO #35	SW/4	24	16S	25E	GRAND	UTAH
39	SAN ARROYO #36A	SE/4	19	16S	26E	GRAND	UTAH
40	SAN ARROYO #37	NE/4	20	16S	26E	GRAND	UTAH
41	SAN ARROYO #38	N/2	16	16S	25E	GRAND	UTAH
42	GILBERT FEDERAL #1(Non-Producing)	W/2 NE/4	11	16S	25E	GRAND	UTAH

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☒ OTHER:

2. Name of Operator:  
ENOGEX EXPLORATION CORPORATION

3. Address and Telephone Number:  
P.O. Box 24300, Oklahoma City, OK 73124-0300 405 557-5281

4. Location of Well

Footage:

CO, Sec., T., R., M.: NW/4 Section 2-16S-24E

5. Lease Designation and Serial Number:

ML-22208

6. If Indian, Aliottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Arco State 2-2

9. API Well Number:

43-019-30241

10. Field and Pool, or Wildcat:

County: Grand

State: Utah

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

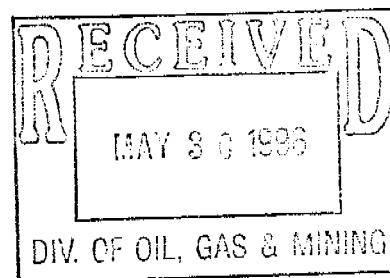
- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)



13.

Name & Signature:

Claudine Gilliam

Title: Senior Landman

Date: 5/20/96

(This space for State use only)

**NORTH STAR GAS COMPANY**

**M E M O**

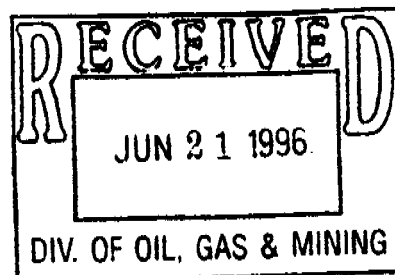
**DATE:**       **June 19, 1996**

**TO:**           **Lisha Cordova**

**FROM:**       **Harry Dean**

**SUBJECT:**   **Sundry Notices**

Please find enclosed Sundry Notices for the Arco State wells 2-1,2-2,36-7,36-8 and the Bitter Creek # 1. If you should require additional information, please let me know.



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:  
NORTHSTAR GAS COMPANY, INC.

3. Address and Telephone Number:  
820 Gessnee, Suite 1630, Houston, TX 77024. (713)935-9542

4. Location of Well

Footages:

QQ, Sec., T., R., M.: 2 T16S R24E

5. Lease Designation and Serial Number:

ML-22208

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

ARCO STATE 2-2

9. API Well Number:

43-019-30241

10. Field and Pool, or Wildcat:

County: GRAND

State: UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                                 | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                           | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                         | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection                    | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize               | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                     | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator Change</u> |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Date of work completion \_\_\_\_\_

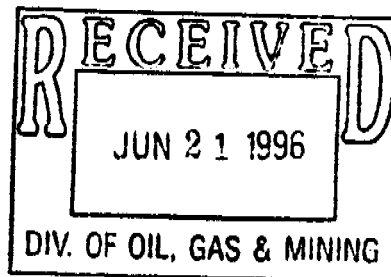
Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ENOGEX Exploration Company took over operations from Northstar Gas Co., Inc.

5/1/96 with the effective date of the sale 3/1/96



13.

Name & Signature:

Title:

Date:

(This space for State use only)

# DOGM SPEED LETTER

To: Ed Bonner

From: Don Staley

School & Institutional Trust

Division of Oil, Gas & Mining

Lands Administration

Subject: Operator Change

## MESSAGE

Date 7/8 19 96

Ed,

For your information, attached are copies of documents regarding an operator change on a state lease(s)

These companies have complied with our requirments. Our records have been updated. Bonding should be reviewed by your agency ASAP.

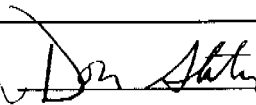
**Former Operator:** Northstar Gas Company Inc (N6680)

**New Operator:** Enogex Exploration Corp (N7430)

Well(s):	API:	Entity:	S-T-R:	Lease:
Arco State 2-1	43-019-30240	00520	2-16S-24E	ML-22208
Arco State 2-2	43-019-30241	00520	2-16S-24E	ML-22208
Arco State 36-7	43-019-31162	09710	36-15.5S-24E	ML-22208
Arco State 36-8	43-019-31192	09710	36-15.5S-24E	ML-22208
Bitter Creek 1	43-019-30047	00515	2-16S-25E	ML-25151
San Arroyo Unit 38	43-019-31253	00500	16-16S-25E	ML-4113
San Arroyo Unit 41	43-019-31289	00500	36-16S-25E	ML-4668

cc: Operator File

Signed



## REPLY

Date 19

Signed

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-LEC	6-LEC
2-GLH	7-KDR
3-DPS	8-SJ
4-VLD	9-FILE
5-RJF	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 5-1-96

TO: (new operator) ENOGEX EXPLORATION CORP.  
 (address) PO BOX 24300  
OKLAHOMA CITY OK 73124-0300

FROM: (old operator) NORTHSTAR GAS COMPANY INC  
 (address) 820 GESSNER #1630  
HOUSTON TX 77024

Phone: (405) 525-7788Account no. N7430Phone: (713) 935-9542Account no. N6680

WELL(S) attach additional page if needed:

Name: <u>ARCO STATE 2-1/DKTA</u>	API: <u>43-019-30240</u>	Entity: <u>520</u>	S	<u>2</u>	T	<u>16S</u>	R	<u>24E</u>	Lease: <u>ML-22208</u>
Name: <u>ARCO STATE 2-2/DKTA</u>	API: <u>43-019-30241</u>	Entity: <u>520</u>	S	<u>2</u>	T	<u>16S</u>	R	<u>24E</u>	Lease: <u>ML-22208</u>
Name: <u>ARCO STATE 36-7/CM-MR</u>	API: <u>43-019-31162</u>	Entity: <u>9710</u>	S	<u>36</u>	T	<u>15.5S</u>	R	<u>24E</u>	Lease: <u>ML-22208</u>
Name: <u>ARCO STATE 36-8/DK-MR</u>	API: <u>43-019-31192</u>	Entity: <u>9710</u>	S	<u>36</u>	T	<u>15.5S</u>	R	<u>24E</u>	Lease: <u>ML-22208</u>
Name: <u>BITTER CREEK 1/CDMTN</u>	API: <u>43-019-30047</u>	Entity: <u>515</u>	S	<u>2</u>	T	<u>16S</u>	R	<u>25E</u>	Lease: <u>ML-25151</u>
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____
Name: _____	API: _____	Entity: _____	S	_____	T	_____	R	_____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- LEC 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Reg. 6-11-96) (Rec'd 6-21-96)*
- LEC 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 5-30-96)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
- N/A 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- LEC 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(6-24-96)*
- LEC 6. Cardex file has been updated for each well listed above. *(6-24-96)*
- LEC 7. Well file labels have been updated for each well listed above. *(6-24-96)*
- LEC 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(6-24-96)*
- LEC 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Lic 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY) *\*Trust Lands (\$80,000) Surety*

- Lic 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- N/A 2. A copy of this form has been placed in the new and former operator's bond files.
- N/A 3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date                     . If yes, division response was made to this request by letter dated                     .

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- DTS 1. Copies of documents have been sent on 7/8/96 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

## FILMING

- YDR 1. All attachments to this form have been microfilmed. Today's date: July 18, 1996

## FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

## COMMENTS



Utah Department of Commerce  
Division of Corporations & Commercial Code  
160 East 300 South, 2nd Floor, Box 146705  
Salt Lake City, UT 84114-6705  
Service Center: (801) 530-4849  
Toll Free: (877) 526-3994 Utah Residents  
Fax: (801) 530-6438  
Web site: <http://www.commerce.state.ut.us>

CRESCENDO ENERGY, LLC


August 4, 2000

## CERTIFICATE OF EXISTENCE

Registration Number: PENDING  
Business Name: CRESCENDO ENERGY, LLC  
Registered Date: JULY 13, 2000  
Foreign or Domestic: FOREIGN  
Current Status: GOOD STANDING

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah.



  
Lorena Rizzo-Jenson  
Division Director of  
Corporations and Commercial Code

Dept. of Professional Licensing  
(801)530-6628

Real Estate  
(801)530-6747

Public Utilities  
(801)530-6651

Securities  
(801)530-6600

Consumer Protection  
(801)530-6601

API NUMBER	Well Name	Entity	WELL STATUS
4301915886	SAN ARROYO # 3	500	P
4301915887	SAN ARROYO # 4	500	P
4301915890	SAN ARROYO # 8	500	P
4301915891	SAN ARROYO # 9	500	P
4301915892	SAN ARROYO #11	500	P
4301915893	SAN ARROYO #12	500	P
4301915894	SAN ARROYO #13	500	P
4301915896	SAN ARROYO #16	500	S
4301915897	SAN ARROYO #17	500	P
4301915898	SAN ARROYO #18	500	P
4301915899	SAN ARROYO #19	500	P
4301915900	SAN ARROYO #20	500	P
4301915901	SAN ARROYO #21	500	P
4301915902	SAN ARROYO #22	500	P
4301915903	SAN ARROYO #24	500	P
4301915904	SAN ARROYO #25	500	P
4301915905	SAN ARROYO #26	500	P
4301915906	SAN ARROYO #27	500	P
4301915907	SAN ARROYO #28	500	P
4301915908	SAN ARROYO #29	500	P
4301915909	SAN ARROYO #30	500	P
4301930527	SAN ARROYO #31	500	P
4301930528	SAN ARROYO #32	500	P
4301930608	SAN ARROYO #33	500	S
4301911090	SAN ARROYO #35	500	P
4301931251	SAN ARROYO #36A	500	P
4301931252	SAN ARROYO #37	500	P
4301931253	SAN ARROYO #38	500	P
4301931289	SAN ARROYO #41	500	P
4301931290	SAN ARROYO #42	500	P
4301931291	SAN ARROYO #43	500	P
4301931301	SAN ARROYO #44	500	P
4301931299	SAN ARROYO #45	500	P
4301931318	SAN ARROYO #47	500	P
4301931316	SAN ARROYO #49	500	P
4301916532	SAN ARROYO # 1	505	S
4301915885	SAN ARROYO # 2	505	S
4301915888	SAN ARROYO # 5	505	S
4301915889	SAN ARROYO # 6	505	S
4301931250	SAN ARROYO #40	505	S
4301930047	BITTERCREEK #1	515	P
4301930240	ARCO STATE #2-1	520	P
4301930241	ARCO STATE #2-2	520	P
4301915884	FEDERAL 174 #1	8340	P
4301911089	GILBERT FEDERAL #1	8341	P
4304730765	BLACKHORSE FEDERAL #31-1	8345	P
4301931162	ARCO STATE #36-7	9710	P
4301931192	ARCO STATE #36-8	9710	P
4301930570	ARCO STATE #27-1	11595	P

# Crescendo Energy, LLC

P.O. Box 1814  
Midland, TX 79702  
Phone: 915-697-7221  
Fax: 915-697-7289

August 23, 2000

Attn: Mr. Jim Thompson  
Utah Division of Oil, Gas & Mining  
1594 W North Temple  
Salt Lake City, Utah 84114-5801

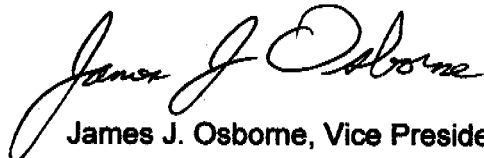
Re: Change of Operator

Dear Mr. Thompson:

The attached list of properties was formerly owned and operated by Enogex Exploration Corporation. Crescendo Energy, LLC has purchased the properties and has taken over operations. If you have any questions, please feel free to contact me at the phone number listed above.

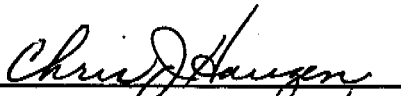
Sincerely yours,  
Crescendo Energy, LLC

By: Crescendo Energy Partners, LLC, its  
Managing Member

  
James J. Osborne, Vice President

Confirmation by Previous Operator:

Enogex Exploration Corporation

By:   
Name (Print): CHRIS J. HAUGEN  
Title: Manager, E&P

jjo  
Attachment

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

CRESCENDO ENERGY PARTNERS, LLC

3. Address and Telephone No.

P.O. BOX 1814, MIDLAND, TX 79702 (915) 697-7221

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SECTION 2-T16S-R24E

5. Lease Designation and Serial No.

ML-22208

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

ARCO-STATE NO. 2-2

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

GRAND, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other CHANGE OF OPERATOR

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

CHANGE OF OPERATOR

CRESCENDO ENERGY PARTNERS, LLC IS TAKING OVER OPERATIONS OF THE ABOVE CAPTIONED WELL.

CRESCENDO ENERGY PARTNERS, LLC IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF.

BOND COVERAGE FOR THIS WELL WILL BE PROVIDED BY BLM BOND NO 0437484

EFFECTIVE DATE: JUNE 30, 2000

**RECEIVED**

OCT 10 2000

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Signed [Signature] Title ENGINEER

Date 9-26-00

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH		4-KAS	<input checked="" type="checkbox"/>
2. CDW	<input checked="" type="checkbox"/>	5- <del>STP</del>	<input checked="" type="checkbox"/>
3. JLT		6-FILE	

Enter date after each listed item is completed

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective:

6-30-2000**FROM:** (Old Operator):

ENOGEX EXPLORATION CORPORATION

Address: P. O. BOX 24300

OKLAHOMA CITY, OK 73124-0300

Phone: 1-(405)-525-7788

Account No. N7430

**TO:** ( New Operator):

CRESCENDO ENERGY PARTNERS LLC

Address P. O. BOX 1814

MIDLAND, TX 79702

Phone: 1-(915)-697-7221

Account N1365

CA No.

Unit:

## WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
ARCO STATE NO. 2-1	43-019-30240	520	02-16S-24E	STATE	GW	P
ARCO STATE NO. 2-2	43-019-30241	520	02-16S-24E	STATE	GW	P
ARCO STATE NO. 36-7	43-019-31162	9710	36-15.5S-24E	STATE	GW	P
ARCO STATE NO. 36-8	43-019-31192	9710	36-16S-24E	STATE	GW	P
BITTER CREEK NO. 1	43-019-30047	515	02-16S-25E	STATE	GW	P

## OPERATOR CHANGES DOCUMENTATION

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 08/28/2000
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 09/05/2000
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 10-18-2000
- Is the new operator registered in the State of Utah: YES Business Number: 4778945-0161
- If **NO**, the operator was contacted on: \_\_\_\_\_
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: N/A
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator

change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Project:** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 10/18/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/18/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: 437484

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: 3.5.01

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS:**

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**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

8. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-22208**

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

9. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT OR CA AGREEMENT NAME:

1. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER

8. WELL NAME and NUMBER:

**Arco-State 2-2**

2. NAME OF OPERATOR:

**Crescendo Energy, LLC**

9. API NUMBER:

**4301930241**

3. ADDRESS OF OPERATOR:

**P. O. Box 1814**

CITY

**Midland**

STATE

**TX**

ZIP

**79702**

PHONE NUMBER:

**(432) 697-7221**

10. FIELD AND POOL, OR WILDCAT:

**San Arroyo**

4. LOCATION OF WELL

FOOTAGES AT SURFACE: **769 FNL, 857 FWL**COUNTY: **Grand**QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SENW 2 16S 24E S**

STATE:

**UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMENCE PRODUING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Perforate New Zones</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

- 1) Drill out cement in 4 1/2" csg to from 7113 to csg shoe at 7135.
- 2) Run bond log from bottom to top of cement.
- 3) Perforate 4 1/2" 7110 to 7119. → Cedar Mountain
- 4) Test New Perfs.
- 5) Breakdown if Necessary.
- 6) Test well and frac zones as necessary to achieve production.

RECEIVED

OCT 05 2004

DIV. OF OIL, GAS &amp; MINING

NAME (PLEASE PRINT) **J. N. Burkhalter**TITLE **Consulting Engineer/Agent**

SIGNATURE

*J. N. Burkhalter*

DATE

**10/5/04**

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

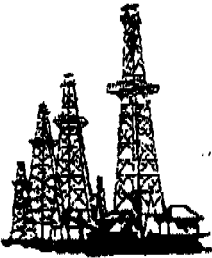
(See Instructions on Reverse Side)

DATE **10/5/04**  
BY: *[Signature]*

Case No. 149-1

COPY SENT TO OPERATOR

Date: **10-5-04**Initials: **CHD**



Petroleum and Energy Consultants  
Registered in Rocky Mountain States  
Oil & Gas Production

**BURKHALTER ENGINEERING, INC.**

751 Horizon Ct., Suite 245  
P.O. Box 60095  
Grand Junction, Co 81506  
Telephone (970) 243-6060  
Fax (970) 243-6015  
Mobile (970) 260-0765

**FAX TRANSMITTAL**

DATE: 10/5/04 TOTAL PAGES: (including cover) 2

TO: CAROL DANIELS

COMPANY: DIV OF OIL, GAS & MINING

FAX No: 801-359-3940

FROM: NEWT

RE: RECOMPLETE ARCD 2-2

SUNDRY ATTACHED

RECEIVED

OCT 05 2004

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-22208</b>
2. NAME OF OPERATOR: <b>Crescendo Energy, LLC</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 1814 CITY <b>Midland</b> STATE <b>TX</b> ZIP <b>79702</b>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>0769 FNL 0857 FWL</b>		8. WELL NAME and NUMBER: <b>Arco State 2-2</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 2 16S 24E S</b>		9. API NUMBER: <b>4301930241</b>
STATE: <b>UTAH</b>		10. FIELD AND POOL, OR WILDCAT: <b>San Arroyo Field</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>Pit Closure</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>Tank Install</b>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Existing pit will be closed and a tank will be installed to contain produced water. Produced water will be hauled and disposed of at the Black Mtn Facility in Mesa County, Colorado.

Closure of produced water pit was based on requirements included in Section VII Guidance for Determining Cleanup Levels of the Environmental Handbook, Environmental Regulations for the Oil & Gas Exploration and Production Industry. Prepared by G.L. Hunt, Environmental Manager, UTAH DIVISION OF OIL, GAS & MINING, January 1996. A review of the site based on the guidance document, resulted in a Level I Environmental Sensitivity classification. The Level I category requires cleanup to the 1% TPH (10,000 mg/kg or ppm) level.

A soil sample was collected from the bottom of the active pit. Results of this sampling demonstrate TPH levels below the cleanup requirements listed above. Sample analytical results are attached to this Sundry Notice.

Pad material will be used to backfill the pit and a 70 barrel tank will be connected to the production works to collect produced water. The tank will be set on the existing pad location. All facilities will be painted olive black to match the surrounding vegetation. A soil berm will be constructed around the tank to contain any produced water spills.

NAME (PLEASE PRINT) **Sean T. Norris** TITLE **Senior Project Geologist**  
SIGNATURE *Sean T. Norris* DATE **10/11/2004**

(This space for State Use only)

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: **10-18-04**  
By: *[Signature]*

COPY SENT TO OPERATOR  
Date: **10-18-04**  
Initials: **CHD**

(See Instructions on Reverse Side)

RECEIVED  
OCT 14 2004

DIV. OF OIL, GAS & MINING



ENVIRONMENTAL  
SCIENCE CORP.

12065 Lebanon Rd.  
Mt. Juliet, TN 37122  
(615) 758-5858  
1-800-767-5859  
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Mr. Sean Norris  
Cordilleran Compliance Services, Inc  
826 21 1/2 Road  
Grand Junction, CO 81505

October 04, 2004

Date Received : September 29, 2004  
Description : Pit Closures Arco 36-7, 36-8, 2-1, 2-2, 31-1  
Sample ID : CS 2-2-01 8 IN  
Collected By : Sean Norris  
Collection Date : 09/28/04 07:45

ESC Sample # : L171584-05

Site ID :

Project # : Arco 2-2

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Benzene	BDL	0.0025	mg/kg	8021/8015	09/30/04	5
Toluene	0.11	0.025	mg/kg	8021/8015	09/30/04	5
Ethylbenzene	0.018	0.0025	mg/kg	8021/8015	09/30/04	5
Total Xylene	0.60	0.0075	mg/kg	8021/8015	09/30/04	5
TPH (GC/FID) Low Fraction	20.	0.50	mg/kg	TNGRO	09/30/04	5
Surrogate Recovery (70-130) a,a,a-Trifluorotoluene	80.		% Rec.	8021/8015	09/30/04	5

*Cheli Boucher*

Cheli Boucher, ESC Representative

BDL - Below Detection Limit

Det. Limit - Estimated Quantitation Limit (EQL)

Laboratory Certification Numbers:

AIHA - 100789, AL - 40660, CA - I-2327, CT- PH-0197, FL - E87487, GA - 923, IN - C-TN-01  
KY - 90010, KYUST - 0016, NC - ENV375, DW21704, ND - R-140, SC - 84004, TN - 2006, VA - 00109, WV - 233  
AZ - 0612, MN - 047-999-395, NY - 11742

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/01/04 16:38 Printed: 10/04/04 12:02

Attachment A  
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L171584-01	TPH (GC/FID) Low Fraction	E
L171584-06	Total Xylene	E
	TPH (GC/FID) Low Fraction	E

Attachment B  
Explanation of QC Qualifier Codes

Qualifier	Meaning
E	GTL (EPA) - Greater than upper calibration limit: Actual value is known to be greater than the upper calibration range.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods, it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

**Accuracy** - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

**Precision** - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Difference.

**Surrogate** - Organic compounds that are similar in chemical composition, extraction, and chromatography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

Control Limits				(AQ)	(SS)
2-Fluorophenol	31-119	Nitrobenzene-d5	43-118	Dibromofluoromethane	79-126 83-119
Phenol-d5	12-134	2-Fluorobiphenyl	45-128	Toluene-d8	81-114 82-116
2,4,6-Tribromophenol	51-141	Terphenyl-d14	43-137	4-Bromofluorobenzene	65-129 72-126

**TIC** - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed  
10/04/04 at 12:02:59

TSR Signing Reports: 070  
R3 - Rush: Two Day

Report methane to 0.01 ppb as method RSK 175

Sample: L171584-01 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Removed rush, not approved on due date-cb 10/4  
Sample: L171584-02 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Sample: L171584-03 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Sample: L171584-04 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Sample: L171584-05 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38  
Sample: L171584-06 Account: CORCOMGCO Received: 09/29/04 09:30 Due Date: 10/01/04 00:00 RPT Date: 10/01/04 16:38



# ENVIRONMENTAL SCIENCE CORP.

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Est. 1970

Cordilleran Compliance Services, Inc.  
Mr. Sean Norris  
826 21 1/2 Road

## Quality Assurance Report Level II

Grand Junction, CO 81505

L171584

October 04, 2004

Analyte	Laboratory Blank			
	Result	Units	Date Analyzed	Batch
Benzene	< .0005	mg/kg	09/29/04 15:39	WG172837
Ethylbenzene	< .0005	mg/kg	09/29/04 15:39	WG172837
Toluene	< .005	mg/kg	09/29/04 15:39	WG172837
TPH (GC/FID) Low Fraction	< .1	mg/kg	09/29/04 15:39	WG172837
Total Xylene	< .0015	mg/kg	09/29/04 15:39	WG172837
Benzene	< .0005	mg/kg	09/30/04 12:14	WG172928
Ethylbenzene	< .0005	mg/kg	09/30/04 12:14	WG172928
Toluene	< .005	mg/kg	09/30/04 12:14	WG172928
TPH (GC/FID) Low Fraction	< .1	mg/kg	09/30/04 12:14	WG172928
Total Xylene	< .0015	mg/kg	09/30/04 12:14	WG172928
Benzene	< .0005	mg/kg	10/01/04 12:08	WG173067
Ethylbenzene	< .0005	mg/kg	10/01/04 12:08	WG173067
Toluene	< .005	mg/kg	10/01/04 12:08	WG173067
TPH (GC/FID) Low Fraction	< .1	mg/kg	10/01/04 12:08	WG173067
Total Xylene	< .0015	mg/kg	10/01/04 12:08	WG173067

Analyte	Laboratory Control		Sample Result	% Rec	Limit	Batch
	Units	Known Val				
Benzene	mg/kg	.0272	0.0294	108.	74-123	WG172837
Ethylbenzene	mg/kg	.0368	0.0391	106.	73-124	WG172837
Toluene	mg/kg	.1532	0.169	111.	79-120	WG172837
TPH (GC/FID) Low Fraction	mg/kg	2.2	2.43	111.	73-124	WG172837
Total Xylene	mg/kg	.178	0.194	109.	78-117	WG172837
Benzene	mg/kg	.0272	0.0290	107.	74-123	WG172928
Ethylbenzene	mg/kg	.0368	0.0370	100.	73-124	WG172928
Toluene	mg/kg	.1532	0.156	102.	79-120	WG172928
TPH (GC/FID) Low Fraction	mg/kg	2.2	1.92	87.2	73-124	WG172928
Total Xylene	mg/kg	.178	0.182	102.	78-117	WG172928
Benzene	mg/kg	.0272	0.0240	88.2	74-123	WG173067
Ethylbenzene	mg/kg	.0368	0.0313	85.1	73-124	WG173067
Toluene	mg/kg	.1532	0.133	87.1	79-120	WG173067
TPH (GC/FID) Low Fraction	mg/kg	2.2	2.00	91.0	73-124	WG173067
Total Xylene	mg/kg	.178	0.151	84.9	78-117	WG173067

Analyte	Laboratory Control Sample Duplicate				Limit	%Rec	Batch
	Units	LCSD Res	Ref Res	RPD			
Benzene	mg/kg	0.0281	0.0294	4.59	13	103.	WG172837
Ethylbenzene	mg/kg	0.0378	0.0391	3.59	13	103.	WG172837
Toluene	mg/kg	0.163	0.169	3.91	12	106.	WG172837
TPH (GC/FID) Low Fraction	mg/kg	2.30	2.43	5.58	13	105.	WG172837
Total Xylene	mg/kg	0.187	0.194	3.46	12	105.	WG172837
Benzene	mg/kg	0.0302	0.0290	4.15	13	111.	WG172928
Ethylbenzene	mg/kg	0.0383	0.0370	3.61	13	104.	WG172928
Toluene	mg/kg	0.162	0.156	3.78	12	105.	WG172928
TPH (GC/FID) Low Fraction	mg/kg	1.99	1.92	3.83	13	90.6	WG172928
Total Xylene	mg/kg	0.188	0.182	3.62	12	106.	WG172928
Benzene	mg/kg	0.0257	0.0240	7.03	13	94.6	WG173067
Ethylbenzene	mg/kg	0.0334	0.0313	6.56	13	90.9	WG173067
Toluene	mg/kg	0.143	0.133	6.66	12	93.1	WG173067
TPH (GC/FID) Low Fraction	mg/kg	2.16	2.00	7.65	13	98.3	WG173067
Total Xylene	mg/kg	0.164	0.151	8.03	12	92.0	WG173067



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Mr. Sean Norris  
826 21 1/2 Road

## Quality Assurance Report Level II

Grand Junction, CO 81505

L171584

October 04, 2004

Analyte	Units	Matrix Spike		TV	% Rec Limit	Ref Samp	Batch
		MS Res	Ref Res				
Benzene	mg/kg	0.108	0.00	.0272	79.3 62-116	L171362-04	WG172837
Ethylbenzene	mg/kg	0.144	0.00	.0368	78.5 61-118	L171362-04	WG172837
Toluene	mg/kg	0.632	0.00	.1532	82.5 64-120	L171362-04	WG172837
TPH (GC/FID) Low Fraction	mg/kg	8.14	0.00	2.2	74.0 54-117	L171362-04	WG172837
Total Xylene	mg/kg	0.719	0.00	.178	80.8 64-118	L171362-04	WG172837
Benzene	mg/kg	0.133	0.0008	.0272	97.0 62-116	L171535-09	WG172928
Ethylbenzene	mg/kg	0.161	0.0004	.0368	87.3 61-118	L171535-09	WG172928
Toluene	mg/kg	0.704	0.0041	.1532	91.3 64-120	L171535-09	WG172928
TPH (GC/FID) Low Fraction	mg/kg	7.71	0.00	2.2	70.1 54-117	L171535-09	WG172928
Total Xylene	mg/kg	0.785	0.0021	.178	87.9 64-118	L171535-09	WG172928
Benzene	mg/kg	0.117	0.00	.0272	86.4 62-116	L171488-02	WG173067
Ethylbenzene	mg/kg	0.142	0.00	.0368	77.2 61-118	L171488-02	WG173067
Toluene	mg/kg	0.631	0.00	.1532	82.4 64-120	L171488-02	WG173067
TPH (GC/FID) Low Fraction	mg/kg	8.77	0.00	2.2	79.7 54-117	L171488-02	WG173067
Total Xylene	mg/kg	0.686	0.00	.178	77.1 64-118	L171488-02	WG173067

Analyte	Units	Matrix Spike Duplicate		RPD	Limit %Rec	Ref Samp	Batch
		MSD Res	Ref Res				
Benzene	mg/kg	0.130	0.108	18.7	18 95.7	L171362-04	WG172837
Ethylbenzene	mg/kg	0.175	0.144	19.0	17 94.9	L171362-04	WG172837
Toluene	mg/kg	0.761	0.632	18.5	14 99.3	L171362-04	WG172837
TPH (GC/FID) Low Fraction	mg/kg	9.84	8.14	19.0	17 89.5	L171362-04	WG172837
Total Xylene	mg/kg	0.867	0.719	18.7	16 97.4	L171362-04	WG172837
Benzene	mg/kg	0.134	0.133	1.05	18 98.0	L171535-09	WG172928
Ethylbenzene	mg/kg	0.161	0.161	0.249	17 87.1	L171535-09	WG172928
Toluene	mg/kg	0.707	0.704	0.440	14 91.7	L171535-09	WG172928
TPH (GC/FID) Low Fraction	mg/kg	7.80	7.71	1.11	17 70.9	L171535-09	WG172928
Total Xylene	mg/kg	0.780	0.785	0.626	16 87.4	L171535-09	WG172928
Benzene	mg/kg	0.112	0.117	4.93	18 82.2	L171488-02	WG173067
Ethylbenzene	mg/kg	0.134	0.142	6.17	17 72.6	L171488-02	WG173067
Toluene	mg/kg	0.605	0.631	4.25	14 79.0	L171488-02	WG173067
TPH (GC/FID) Low Fraction	mg/kg	7.71	8.77	12.9	17 70.0	L171488-02	WG173067
Total Xylene	mg/kg	0.649	0.686	5.54	16 73.0	L171488-02	WG173067

Batch number /Run number / Sample number cross reference

WG172837: R209399: L171584-01  
WG172928: R209626: L171584-05 06  
WG173067: R209658: L171584-02 03 04

\* denotes out of limit range result. See Attachment B of standard report for list of qualifiers.  
\* \* Calculations are performed prior to rounding of reported values



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Mr. Sean Norris  
826 21 1/2 Road

Grand Junction, CO 81505

Quality Assurance Report  
Level II

L171584

October 04, 2004

ESC Level 2 Data Package

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

Company Name/Address: <b>Cordilleran Compliance Services, Inc.</b> 826 21 1/2 Road Grand Junction, CO 81505				Alternate billing information:				Analysis/Container/Preservative				Chain of Custody Page 1 of 1  Prepared by:  <b>ENVIRONMENTAL SCIENCE CORP.</b> 12065 Lebanon Road Mt. Juliet, TN 37122  Phone (615) 758-5858 Phone (800) 767-5859 FAX (615) 758-5859			
Report to: <u>Sean Norris</u>				Email to: <u>seannorris@cordcomp.com</u>				TUPH BTEX							
Project Description: <u>Pit Closures Arco 36-7, 36-8, 2-1, 2-2, 31-1</u>				City/State Collected: <u>Santa Arroya Utah</u>											
Phone: (970) 263-7800		Client Project #:		ESC Key:											
FAX: (970) 263-7456															
Collected by: <u>S. Norris</u>		Site/Facility ID#:		P.O.#:											
Collected by (signature): <u>[Signature]</u>				<input checked="" type="checkbox"/> <b>Rush?</b> (Lab MUST Be Notified) Same Day.....200% Next Day.....100% <input checked="" type="checkbox"/> Two Day.....50%		Date Results Needed: Email? <u>No</u> Yes FAX? <u>No</u> Yes		No. of Cntrs		CoCode: <b>CORCOMG</b> (lab use only) Template/Prelogin Shipped Via: Remarks/Contaminant      Sample # (lab only)					
Packed on Ice: <u>N</u>															
Sample ID	Comp/Grab	Matrix*	Depth	Date	Time										
CS 36-7-01	Grab	Soil	8"	9/28/04	6:20	1	X	Arco 36-7 well							
CS 36-8-01	Grab	Soil	8"	9/28/04	6:40	1	X	Arco 36-8 well							
CS 2-1-01	Grab	Soil	8"	9/28/04	7:00	1	X	Arco 2-1 well	North pit						
CS 2-1-02	Grab	Soil	8"	9/28/04	7:05	1	X	Arco 2-1 well	South pit						
CS 2-2-02	Grab	Soil	8"	9/28/04	7:45	1	X	Arco 2-2 well							
CS 31-1-01	Grab	Soil	8"	9/28/04	8:35	1	X	Black Horse Fed 31-1							

\*Matrix: SS - Soil/Solid    GW - Groundwater    WW - WasteWater    DW - Drinking Water    OT - Other \_\_\_\_\_

Remarks: \_\_\_\_\_

pH \_\_\_\_\_ Temp \_\_\_\_\_

Flow \_\_\_\_\_ Other \_\_\_\_\_

Relinquished by: (Signature) <u>[Signature]</u>	Date: <u>9/28/04</u>	Time: <u>11:28</u>	Received by: (Signature) <u>[Signature]</u>	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature) <u>[Signature]</u>	Date: _____	Time: _____	Received by: (Signature) <u>[Signature]</u>	Temp: <u>8.5</u>	Bottles Received: <u>6402</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date: _____	Time: _____	Received for lab by: (Signature) <u>[Signature]</u>	Date: <u>9-29-04</u>	Time: <u>09:30</u>
				pH Checked: _____	NGF: _____

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER ☐

2. NAME OF OPERATOR:

Slate River Resources, LLC

N2725

3. ADDRESS OF OPERATOR:

418 Main Street, Ste. 18

CITY

Vernal

STATE

UT

ZIP

84078

PHONE NUMBER:

(435) 781-1870

5. LEASE DESIGNATION AND SERIAL NUMBER:

See attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

San Arroyo Unit and other wells

8. WELL NAME and NUMBER:

See attached

9. API NUMBER:

See attach

10. FIELD AND POOL, OR WILDCAT:

See attached

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached schedule of wells

COUNTY: Grand

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☐ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☒ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☐ OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Crescendo Energy, LLC is a wholly owned subsidiary of Slate River Resources, LLC. All the wells, properties and leasehold interest of Crescendo Energy, LLC has been assigned to Slate River Resources, LLC. We request a change of Operator from Crescendo Energy, LLC to Slate River Resources, LLC on the wells listed on the attached schedule, including a change of Operator of the San Arroyo Unit Area effective November 1, 2005.

The Bond numbers for Slate River Resources, LLC are:

State of Utah DOGM Bond B001556 \$120,000

State of Utah Bond of Lessee B001760 \$ 15,000 being transferred from Crescendo to Slate River Resources, LLC

Federal Utah Statewide Bond UTB000187 \$ 25,000 being transferred from Crescendo to Slate River Resources, LLC

Crescendo Energy, LLC

N1365

*Carter G. Mathies*

Carter G. Mathies, President

NAME (PLEASE PRINT) Gary D. Davis

TITLE President, Slate River Resources, LLC

SIGNATURE

DATE 11/10/2005

(This space for State use only)

APPROVED 11/29/05

*Earlene Russell*

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

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NOV 16 2005

DIV. OF OIL, GAS & MINING

## SLATE RIVER RESOURCES, LLC, OPERATOR

API Well Number	Operator	Well Name	Well Type	Well Status	Field Name	County Name	Qtr/Qtr	Section	Township-Range		FNL/
43-019-30570-00-0	CRESCENDO ENERGY LLC	ARCO 27-1	Gas Well	Producing	SAN ARROYO	GRAND	NWSW	27	16S-25E	U-29645	1700
43-019-31162-00-0	CRESCENDO ENERGY LLC	ARCO STATE 36-7	Gas Well	Producing	EAST CANYON	GRAND	SWSE	36	15.5S-24E	ML-22208	852
43-019-31192-00-0	CRESCENDO ENERGY LLC	ARCO STATE 36-8	Gas Well	Producing	EAST CANYON	GRAND	SWSW	36	15.5S-24E	ML-22208	1285
43-019-30240-00-0	CRESCENDO ENERGY LLC	ARCO-STATE 2-1	Gas Well	Producing	EAST CANYON	GRAND	NESE	2	16S-24E	ML-22208	2420
43-019-30241-00-0	CRESCENDO ENERGY LLC	ARCO-STATE 2-2	Gas Well	Shut-In	EAST CANYON	GRAND	NWNW	2	16S-24E	ML-22208	1425
43-019-30047-00-0	CRESCENDO ENERGY LLC	BITTER CREEK 1	Gas Well	Producing	SAN ARROYO	GRAND	SWSE	2	16S-25E	ML-25151	1080
43-047-30765-00-0	CRESCENDO ENERGY LLC	BLACK HORSE CANYON FED 31-1	Gas Well	Producing	BLACK HORSE CYN	UINTAH	NWSW	31	15S-24E	U-14234	2030
43-019-15884-00-0	CRESCENDO ENERGY LLC	FEDERAL 174 1	Gas Well	Producing	SAN ARROYO	GRAND	SESW	11	16S-25E	U-126528	1940
43-019-31432-00-0	CRESCENDO ENERGY LLC	FEDERAL 27-2	Gas Well	Approved permit (APD); not yet spudd	SAN ARROYO	GRAND	SESE	27	16S-25E	U-29645	1110
43-019-31318-00-0	CRESCENDO ENERGY LLC	FEDERAL 47	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	31	16S-26E	U-6023	990
43-019-31410-00-0	CRESCENDO ENERGY LLC	FEDERAL 6-1	Gas Well	Approved permit (APD); not yet spudd	SAN ARROYO	GRAND	SWNW	6	16S-25E	U-9831	1760
43-019-11089-00-0	CRESCENDO ENERGY LLC	FEDERAL GILBERT 1	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	11	16S-25E	U-126528	1140
43-019-16532-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 01	Gas Well	Shut-In	SAN ARROYO	GRAND	SENW	26	16S-25E	USL-71307	1320
43-019-15885-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 02	Gas Well	Shut-In	SAN ARROYO	GRAND	SENW	22	16S-25E	U-370-A	125
43-019-15886-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 03	Gas Well	Producing	SAN ARROYO	GRAND	SENW	23	16S-25E	U-369	60
43-019-15887-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 04	Gas Well	Producing	SAN ARROYO	GRAND	SESW	30	16S-26E	U-6023	660
43-019-15888-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 05	Gas Well	Shut-In	SAN ARROYO	GRAND	NWSE	25	16S-25E	U-369	820
43-019-15889-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 06	Gas Well	Shut-In	SAN ARROYO	GRAND	SWNE	21	16S-25E	U-136529	1360
43-019-15890-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 08	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	16	16S-25E	ML-4113	2066
43-019-15891-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 09	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	27	16S-25E	U-370-A	1210
43-019-15892-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 11	Gas Well	Producing	SAN ARROYO	GRAND	NESW	15	16S-25E	U-5059-C	2450
43-019-15893-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 12	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	23	16S-25E	USL-71307	1520
43-019-15894-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 13	Gas Well	Producing	SAN ARROYO	GRAND	C-SW	22	16S-25E	U-370-A	660
43-019-15896-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 16	Gas Well	Producing	SAN ARROYO	GRAND	SESW	26	16S-25E	U-369	1990
43-019-15897-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 17	Gas Well	Producing	SAN ARROYO	GRAND	NENE	24	16S-25E	U-25243	660
43-019-15898-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 18	Gas Well	Producing	SAN ARROYO	GRAND	NWNW	30	16S-26E	U-6023	1300
43-019-15899-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 19	Gas Well	Producing	SAN ARROYO	GRAND	SWSE	14	16S-25E	U-5011-B	2600
43-019-15900-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 20	Gas Well	Producing	SAN ARROYO	GRAND	SENE	26	16S-25E	USL-71307	1712
43-019-15901-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 21	Gas Well	Producing	SAN ARROYO	GRAND	NWSE	25	16S-25E	U-369	395
43-019-15902-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 22	Gas Well	Producing	SAN ARROYO	GRAND	NENE	15	16S-25E	U-5011-A	2194
43-019-15903-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 24	Gas Well	Producing	SAN ARROYO	GRAND	SENW	19	16S-26E	U-6188	769
43-019-15904-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 25	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	21	16S-25E	U-136529	1111
43-019-15905-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 26	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	20	16S-26E	U-25297	78
43-019-15906-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 27	Gas Well	Producing	SAN ARROYO	GRAND	NESW	29	16S-26E	U-6021	787
43-019-15907-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 28	Gas Well	Producing	SAN ARROYO	GRAND	NWNE	29	16S-26E	U-5650	634
43-019-15908-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 29	Gas Well	Producing	SAN ARROYO	GRAND	NENE	22	16S-25E	U-370-A	540
43-019-15909-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 30	Gas Well	Producing	SAN ARROYO	GRAND	NWSW	21	16S-26E	U-5650	945
43-019-30527-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 31	Gas Well	Shut-In	SAN ARROYO	GRAND	NWNW	22	16S-25E	U-370-A	739
43-019-30528-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 32	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	14	16S-25E	U-5011-B	1305
43-019-30608-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 33	Gas Well	Producing	SAN ARROYO	GRAND	SWSW	25	16S-25E	U-369	1977
43-019-11090-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 35	Gas Well	Producing	SAN ARROYO	GRAND	SESW	24	16S-25E	U-369	1875
43-019-31251-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 36-A	Gas Well	Producing	SAN ARROYO	GRAND	SESE	19	16S-26E	U-6188	304
43-019-31252-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 37	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	20	16S-26E	U-5650	2025
43-019-31253-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 38	Gas Well	Producing	SAN ARROYO	GRAND	SWNE	16	16S-25E	ML-4113	1393
43-019-31250-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 40	Gas Well	Shut-In	SAN ARROYO	GRAND	NWNE	27	16S-25E	U-370-A	1482
43-019-31289-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 41	Gas Well	Producing	SAN ARROYO	GRAND	NENE	36	16S-25E	Not CE Lease	1342
43-019-31290-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 42	Gas Well	Producing	SAN ARROYO	GRAND	NESE	30	16S-26E	U-6023	1300
43-019-31291-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 43	Gas Well	Producing	SAN ARROYO	GRAND	NESE	29	16S-26E	U-6021	600
43-019-31301-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 44	Gas Well	Producing	SAN ARROYO	GRAND	SENE	30	16S-26E	U-6023	
43-019-31299-00-0	CRESCENDO ENERGY LLC	SAN ARROYO 45	Gas Well	Producing	SAN ARROYO	GRAND	NWSE	20	16S-26E	U-5650	0

UTAH SCHEDULE OF WELLS  
SLATE RIVER RESOURCES, LLC, OPERATOR

[illegible]



7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: \_\_\_\_\_

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 11/29/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 11/29/2005
3. Bond information entered in RBDMS on: 11/29/2005
4. Fee/State wells attached to bond in RBDMS on: 11/29/2005
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 11/29/2005

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000187

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number B001556
2. The FORMER operator has requested a release of liability from their bond on: 11/25/2005  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

ROUTING	
1. DJJ	
2. CDW	

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**5/15/2008**

<b>FROM: (Old Operator):</b> N2725-Slate River Resources, LLC 1600 Broadway, Suite 900 Denver, CO 80202  Phone: 1 (303) 592-4448	<b>TO: ( New Operator):</b> N3505-Augustus Energy Partners, LLC 2016 Grand Ave, Suite A Billings MT 59012  Phone: 1 (406) 294-5990
---	---

CA No.				Unit:			
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE WELL STATUS
SEE ATTACHED LIST							

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/23/2008
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/23/2008
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/4/2008
- a. Is the new operator registered in the State of Utah:            Business Number: 7012268-0161
- b. If **NO**, the operator was contacted on:
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: In Process
- c. Reports current for Production/Disposition & Sundries on: OK
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/29/2008
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/29/2008
- Bond information entered in RBDMS on: 5/29/2008
- Fee/State wells attached to bond in RBDMS on: 5/29/2008
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on:

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: UTB00317
- Indian well(s) covered by Bond Number: n/a
- a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0011628
- b. The **FORMER** operator has requested a release of liability from their bond on: not yet  
The Division sent response by letter on:

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached list
2. NAME OF OPERATOR: Augustus Energy Partners, LLC <i>N3505</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 2016 Grand Avenue, Ste A CITY Billings STATE MT ZIP 59012		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		8. WELL NAME and NUMBER: 9. API NUMBER: 10. FIELD AND POOL, OR WILDCAT:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 12:01 a.m. May 15, 2008 the Operator of this well will change from:

Slate River Resources, LLC *N2725*  
1600 Broadway, Suite 900  
Denver, CO 80202  
303-592-4448

TO: Augustus Energy Partners, LLC  
2016 Grand Avenue, Suite A  
Billings, MT 59102

BLM Bond # UTB00317 effective 5/13/08

*STATE BOND = RLB 0011638*

Seller: Slate River Resources LLC  
Gary D. Davis, President/CEO

Signature: *[Signature]*

NAME (PLEASE PRINT) Steven D. Durrett	TITLE President
SIGNATURE <i>[Signature]</i>	DATE 5/15/2008

(This space for State use only)

APPROVED *5/15/08*  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED  
MAY 23 2008

DIV. OF OIL, GAS & MINING

API Well Number	Well Name	Qtr/Qtr	Section	Township-Range
43-019-11089	FEDERAL GILBERT 1	SWNE	11	16S-25E
43-019-11090	SAN ARROYO U 35	SESW	24	16S-25E
43-019-15884	FEDERAL 174 1	SESW	11	16S-25E
43-019-15885	SAN ARROYO 2	SENW	22	16S-25E
43-019-15886	SAN ARROYO 3	SENW	23	16S-25E
43-019-15887	SAN ARROYO 4	SESW	30	16S-26E
43-019-15888	SAN ARROYO 5	NWSE	25	16S-25E
43-019-15889	SAN ARROYO 6	SWNE	21	16S-25E
43-019-15890	SAN ARROYO 8	SWSW	16	16S-25E
43-019-15891	SAN ARROYO 9	NWNE	27	16S-25E
43-019-15892	SAN ARROYO 11	NESW	15	16S-25E
43-019-15893	SAN ARROYO 12	SWSW	23	16S-25E
43-019-15894	SAN ARROYO 13	C-SW	22	16S-25E
43-019-15896	SAN ARROYO 16	SESW	26	16S-25E
43-019-15897	SAN ARROYO 17	NENE	24	16S-25E
43-019-15898	SAN ARROYO 18	NWNW	30	16S-26E
43-019-15899	SAN ARROYO 19	SWSE	14	16S-25E
43-019-15900	SAN ARROYO 20	SENE	26	16S-25E
43-019-15901	SAN ARROYO 21	NWSE	25	16S-25E
43-019-15902	SAN ARROYO 22	NENE	15	16S-25E
43-019-15903	SAN ARROYO 24	SENW	19	16S-26E
43-019-15904	SAN ARROYO 25	SWNE	21	16S-25E
43-019-15905	SAN ARROYO 26	SWSW	20	16S-26E
43-019-15906	SAN ARROYO 27	NESW	29	16S-26E
43-019-15907	SAN ARROYO 28	NWNE	29	16S-26E
43-019-15908	SAN ARROYO 29	NENE	22	16S-25E
43-019-15909	SAN ARROYO 30	NWSW	21	16S-26E
43-019-16532	SAN ARROYO 1	SENW	26	16S-25E
43-019-30047	BITTER CREEK 1	SWSE	2	16S-25E
43-019-30240	ARCO-STATE 2-1	NESE	2	16S-24E
43-019-30241	ARCO-STATE 2-2	NWNW	2	16S-24E
43-019-30527	SAN ARROYO 31	NWNW	22	16S-25E
43-019-30528	SAN ARROYO 32	SWSW	14	16S-25E
43-019-30570	ARCO 27-1	NWSW	27	16S-25E
43-019-30608	SAN ARROYO 33	SWSW	25	16S-25E
43-019-31162	ARCO STATE 36-7	SWSE	36	15.5S-24E
43-019-31192	ARCO STATE 36-8	SWSW	36	15.5S-24E
43-019-31250	SAN ARROYO U 40	NWNE	27	16S-25E
43-019-31251	SAN ARROYO U 36-A	SESE	19	16S-26E
43-019-31252	SAN ARROYO U 37	SWNE	20	16S-26E
43-019-31253	SAN ARROYO U 38	SWNE	16	16S-25E
43-019-31289	SAN ARROYO U 41	NENE	36	16S-25E
43-019-31290	SAN ARROYO U 42	NESE	30	16S-26E
43-019-31291	SAN ARROYO U 43	NESE	29	16S-26E
43-019-31299	SAN ARROYO 45	NWSE	20	16S-26E
43-019-31301	SAN ARROYO 44	SENE	30	16S-26E
43-019-31316	SAN ARROYO 49	NENW	29	16S-26E
43-019-31318	FEDERAL 47	NWNE	31	16S-26E
43-047-30765	BLACK HORSE CANYON FED 31-1	NWSW	31	15S-24E

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MAY 23 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML22208
2. NAME OF OPERATOR: AUGUSTUS ENERGY PARTNERS, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 2016 GRAND AVE, STE A CITY BILLINGS STATE MT ZIP 59101		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (406) 294-5990		8. WELL NAME and NUMBER: ARCO STATE 2-2
4. LOCATION OF WELL FOOTAGES AT SURFACE: 769' FNL, 857' FWL		9. API NUMBER: 4301930241
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 2 16S 24E S		10. FIELD AND POOL, OR WILDCAT: EAST CANYON
COUNTY: GRAND		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Augustus Energy Partners, LLC proposes to isolate, perforate and fracture treat the following intervals:

3212'-3220' Castlegate

(NOTE: Cause No. 149-1 established drilling units that allow for multiple zone completions including the Castlegate member of the Mesaverde Formation at this location. Augustus Energy Partners, LLC owns 100% WI in all depths at this location, so an allocation procedure will not be required).

Depending on the test results return the well to production producing only the Castlegate, or commingled with the existing Dakota production.

See attached re-completion procedure.

COPY SENT TO OPERATOR

Date: 9.23.2008

Initials: KS

NAME (PLEASE PRINT) Duane Zimmerman	TITLE Vice President Operations
SIGNATURE <i>Duane Zimmerman</i>	DATE 9/4/2008

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 9/18/08

BY: *[Signature]*

\*cause 149-1

(See Instructions on Reverse Side)

RECEIVED

SEP 08 2008

DIV. OF OIL, GAS & MINING

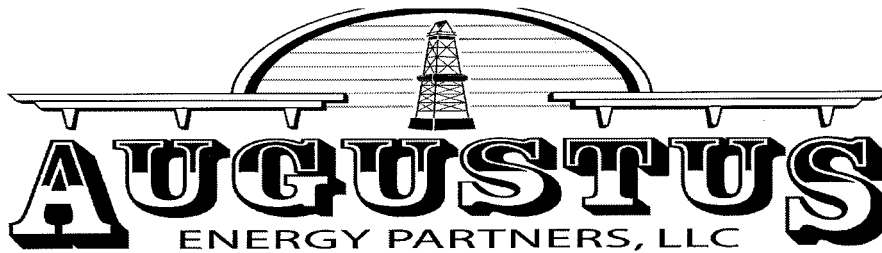


Arco State 2-2  
API #43-019-30241  
Section 2, T16S-R24E  
Grand County, Utah  
September 2, 2008

Surface Casing: 9-5/8", 32.3#, H-40 STC at 290'  
Intermediate Casing: 7", 20#, K-55 STC 3,492'  
Production Casing: 4.5", 10.5#, K-55 STC at 7,147'  
TD: 7,250'  
PBSD: 7,113'  
Tubing: 2-3/8", 4.7#, N-80 EUE, 7,027'

### Re-completion Procedure Add Castlegate Perforations

- 1) MIRUSU. RU and pressure test the 4-1/2" and 7" casing annulus to 500 psig.
- 2) Blow down well and un-flange casing head. Strip on BOPS. Pickup 2-3/8 inch tubing and tag bottom to check for fill. Strap out of the hole standing back tubing.
- 3) MU RBP and TIH and set at 3,300'. Fill casing with 2% KCL water and test casing to 500 psig. RU and swab the casing dry, release RBP and POOH.
- 4) MIRU wireline company and run a GR/CCL. Perforate 3,212'-3,220' with 2 JSPF dry charges, deep penetrating correlated to Schlumberger Formation Density/Compensated Neutron log dated 8-11-75. RD wireline company.
- 5) TIH with 2-3/8" tubing and RBP. Set RBP at 3,300'. RU and flow/swab test well to evaluate for returning the well to sales with the Dakota/Castlegate commingled, or stand alone.
- 6) Return the well to production.



Well Name & No.: <b>ARCO STATE 2-2</b>	API # <b>43-019-30241</b>	Location (Footages & Qtr / Qtr) <b>NWNW, 769' FNL, 857' FWL</b>
Field: <b>EAST CANYON</b>	County, State: <b>GRAND, UTAH</b>	Section, Twp., Rge.: <b>SEC 2, T16S, R24E</b>
Spud Date:	Elevations: <b>7882' GL</b>	Completion Date:

<b>D.S.T.#/Depth/Recovery:</b>

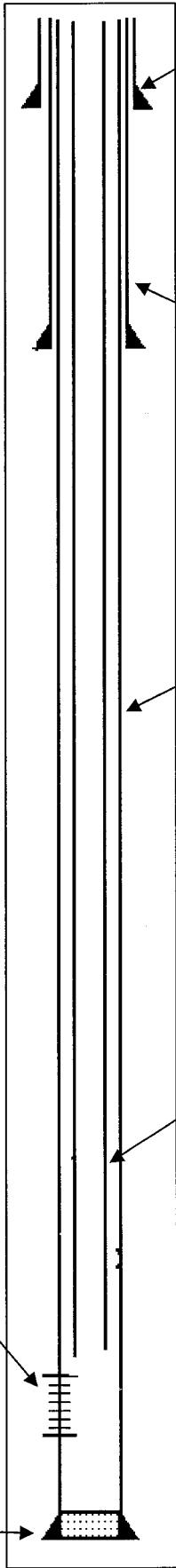
<b>Log Type / Interval:</b>

<b>Acid Job / Breakdown:</b>
Frac'd w/69,900 gals gel wtr w/ 100,000#20/40 SD & 880,00 SCF N2.

<b>Tbg as Ran</b>

<b>Zone / Perforations:</b>
UDAKOTA 7410-22'
LDAKOTA 7440-52'
U CEDAR MTN 7467-78'
U CEDAR MTN 7492-7504'

<b>P.B.T.D. 7509'</b>
<b>T.D. 7600'</b>



<b>Surface Casing:</b>
Bit/Csg. O.D.: 9-5/8"
Depth: 290'
#/ft / Grade: 36# H40
Thread: LTC
Cement: 165sks Class G
Cement Top: Surface

<b>Intermediate Casing:</b>
Bit/Csg. O.D.: 7"
Depth: 3492'
#/ft / Grade: 20# K55 STC
#/ft / Grade:
Cement: 200 SX POZMIX
Cement Top:

<b>Production Casing:</b>
Bit / Csg. O.D.: 4 1/2"
#/ft / Grade: 10.5 & 11.6# K55 STC
#/ft / Grade:
#/ft / Grade:
D.V. Depth:
Depth: 7147'
Cement Data: 200 SK POZ MIX
Cement Top: Surface

<b>Tubing:</b>
O.D.: 2-3/8"
#/Ft./ Grade: 4.7#, J55 EUE
No. Jts.
Length:
Seat Nipple @ 7027'
End of Tubing:

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

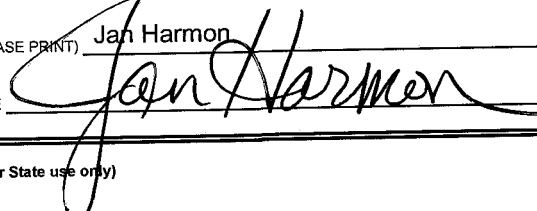
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML 22208
2. NAME OF OPERATOR: AUGUSTUS ENERGY PARTNERS, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 2016 GRAND AVE, STE A CITY BILLINGS STATE MT ZIP 59101		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 769' FNL, 857' FWL		8. WELL NAME and NUMBER: ARCO STATE #2-2
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 2 16S 24E S		9. API NUMBER: 4301930241
COUNTY: GRAND		10. FIELD AND POOL, OR WILDCAT: EAST CANYON
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: PIT CLOSURE
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Per Rachel Medina at the State of Utah, Augustus Energy Partners, LLC is submitting this sundry to advise the State that the NOI submitted by Crescendo Energy, LLC dated 10/11/04 for pit closure was never completed, the pit is still in use. A 210 bbl tank was installed in early 2006.

NAME (PLEASE PRINT) Jan Harmon	TITLE OPERATIONS ADMINISTRATOR
SIGNATURE 	DATE 9/29/2008

(This space for State use only)

RECEIVED

OCT 01 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

ML22208

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

ARCO STATE 2-2

9. API NUMBER:

4301930241

10. FIELD AND POOL, OR WILDCAT:

EAST CANYON

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

2. NAME OF OPERATOR:

AUGUSTUS ENERGY PARTNERS, LLC

3. ADDRESS OF OPERATOR:

2016 GRAND AVE., STE A CITY BILLINGS

STATE MT ZIP 59101

PHONE NUMBER:

(406) 294-5990

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 769' FNL, 857' FWL

COUNTY: GRAND

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 2 16S 24E 6

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

9/24/2009

TYPE OF ACTION

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: PIT CLOSURE

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Existing pit on location closed on 9/24/2009. Pit have been de-watered and are currently stable. Soil from the existing pit berms will be used as backfill and the area will be reclaimed following DOGM regulations and requirements.

NAME (PLEASE PRINT) Tim Dobransky - Olsson Associates

TITLE Project Scientist (970) 270-2986

SIGNATURE

DATE 9/24/2009

(This space for State use only)

RECEIVED

SEP 28 2009

DIV. OF OIL, GAS & MINING



September 25, 2009

Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: ARCO STATE 2-2 Pit Closure Sundry Submittal  
Augustus Energy Partners, LLC

To whom it may concern:

Olsson Associates (Olsson) was contracted by Augustus Energy Partners, LLC (Augustus) to submit the attached Sundry Notice for the closure of a pit located on the ARCO STATE 2-2 well pad located in the NWNW of Section 2, Township 16 South, Range 24 East, in Grand County, Utah.

The pit was closed on 9/24/2009. The pit has been de-watered and is currently stable. Soil from the existing pit berm will be used as backfill and the area will be reclaimed following DOGM regulations and requirements.

Please contact me at 970-263-7800 or [tdobransky@oaconsulting.com](mailto:tdobransky@oaconsulting.com) if you have any questions regarding this information.

Sincerely,  
Olsson Associates

A handwritten signature in black ink, appearing to be 'TD', enclosed within an oval shape.

Tim Dobransky, CHMM  
Project Scientist

Attachments:  
Sundry Notice

cc:  
Chris Forster – Augustus  
file 009-2038

**RECEIVED**

**SEP 28 2009**

**DIV. OF OIL, GAS & MINING**

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22208
2. NAME OF OPERATOR: AUGUSTUS ENERGY PARTNERS, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 2016 GRAND AVE, STE A CITY BILLINGS STATE MT ZIP 59102		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 769' FNL 857' FWL		8. WELL NAME and NUMBER: ARCO STATE -2-2
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 2 16S 24E 6		9. API NUMBER: 4301930241
COUNTY: GRAND		10. FIELD AND POOL, OR WILDCAT: EAST CANYON
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 6/29/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: OFF LEASE MEASUREMENT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

AUGUSTUS ENERGY REQUESTS APPROVAL OF OFF LEASE MEASUREMENT FOR THE ARCO STATE 2-2. ETC CANYON PIPELINE IS SETTING A METER RUN #501666 AND EQUIPMENT NEXT TO THE MAIN ROAD. THE LOCATION OF THIS WELL IS IN A DEEP CANYON AND DIFFICULT TO REACH DUE TO WEATHER.

ELEVATION IS 8396' AND GPS COORDINATES ARE: 39 26.669 AND 109 14.403.

COPY SENT TO OPERATOR

Date: JUL 14 2011

Initials: KS

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 7/13/11

By: [Signature]

RECEIVED

JUL 06 2011

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) JANET J HARMON	TITLE OPERATIONS ADMINISTRATOR
SIGNATURE [Signature]	DATE 6/29/2011

(This space for State use only)

RECEIVED

JAN 09 2012

FORM 9

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS &amp; MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

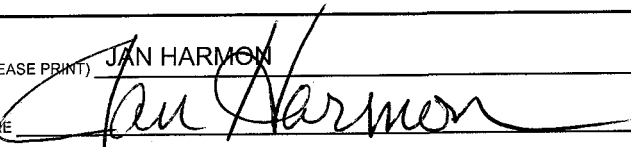
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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML22208
2. NAME OF OPERATOR: AUGUSTUS ENERGY PARTNERS, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 2016 GRAND AVE, STE A CITY BILLINGS STATE MT ZIP 59101		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 769' FNL 857' FWL		8. WELL NAME and NUMBER: ARCO STATE 2-2
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 2 16S 24E 6		9. API NUMBER: 4301930241
COUNTY: GRAND		10. FIELD AND POOL, OR WILDCAT: EAST CANYON
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: CANCELLATION OF NOTICE OF INTENT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

9/8/08 Recompletion

NAME (PLEASE PRINT) JAN HARMON	TITLE OPERATIONS ADMINISTRATOR
SIGNATURE 	DATE 1/4/2012

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**11/11/2013**

<b>FROM: (Old Operator):</b> N3505-Augustus Energy Partners, LLC 2016 Garnd Ave, Suite A Billings, MT 59102  Phone: 1 (406) 294-5990	<b>TO: ( New Operator):</b> N4035-Southwestern Energy Ventures Company, LLC PO Box 1056 Bayfield, CO 81122  Phone: 1 (970) 884-4869
---	--

**CA No.**

**Unit:**

**San Arroyo**

WELL NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List						

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 11/22/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 11/22/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 11/27/2013
- a. Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 8812939-0161
- 5a. (R649-9-2) Waste Management Plan has been received on: N/A
- 5b. Inspections of LA PA state/fee well sites complete on: N/A
- 5c. Reports current for Production/Disposition & Sundries on: 11/27/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):** N/A  
The BLM or BIA has approved the operator for all wells listed within a CA on: Not Yet
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 12/1/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 12/1/2013
- Bond information entered in RBDMS on: 12/1/2013
- Fee/State wells attached to bond in RBDMS on: 12/1/2013
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: RLB0015347
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number RLB0015348
- b. The **FORMER** operator has requested a release of liability from their bond on: 11/22/2013

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

Augustus Energy Partners, LLC (N3505) to Southwestern Energy Ventures Company, LLC (N4035)  
Effective 11/11/2013  
San Arroyo Unit

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Well Type	Well Status
SAN ARROYO U 35	24	160S	250E	4301911090	500	Federal	GW	P
SAN ARROYO 2	22	160S	250E	4301915885	505	Federal	GW	S
SAN ARROYO 3	23	160S	250E	4301915886	500	Federal	GW	P
SAN ARROYO 4	30	160S	260E	4301915887	500	Federal	GW	P
SAN ARROYO 5	25	160S	250E	4301915888	505	Federal	GW	S
SAN ARROYO 6	21	160S	250E	4301915889	505	Federal	GW	S
SAN ARROYO 8	16	160S	250E	4301915890	500	Federal	GW	P
SAN ARROYO 9	27	160S	250E	4301915891	500	Federal	GW	P
SAN ARROYO 11	15	160S	250E	4301915892	500	Federal	GW	S
SAN ARROYO 12	23	160S	250E	4301915893	500	Federal	GW	P
SAN ARROYO 13	22	160S	250E	4301915894	500	Federal	GW	P
SAN ARROYO 16	26	160S	250E	4301915896	500	Federal	GW	P
SAN ARROYO 17	24	160S	250E	4301915897	500	Federal	GW	P
SAN ARROYO 18	30	160S	260E	4301915898	500	Federal	GW	P
SAN ARROYO 19	14	160S	250E	4301915899	500	Federal	GW	P
SAN ARROYO 20	26	160S	250E	4301915900	500	Federal	GW	P
SAN ARROYO 21	25	160S	250E	4301915901	500	Federal	GW	P
SAN ARROYO 22	15	160S	250E	4301915902	500	Federal	GW	P
SAN ARROYO 24	19	160S	260E	4301915903	500	Federal	GW	P
SAN ARROYO 25	21	160S	250E	4301915904	500	Federal	GW	P
SAN ARROYO 26	20	160S	260E	4301915905	500	Federal	GW	P
SAN ARROYO 27	29	160S	260E	4301915906	500	Federal	GW	P
SAN ARROYO 28	29	160S	260E	4301915907	500	Federal	GW	P
SAN ARROYO 29	22	160S	250E	4301915908	500	Federal	GW	P
SAN ARROYO 30	21	160S	260E	4301915909	500	Federal	GW	P
SAN ARROYO 1	26	160S	250E	4301916532	505	Federal	GW	S
SAN ARROYO 31	22	160S	250E	4301930527	500	Federal	GW	S
SAN ARROYO 32	14	160S	250E	4301930528	500	Federal	GW	S
SAN ARROYO 33	25	160S	250E	4301930608	500	Federal	GW	P
SAN ARROYO U 36-A	19	160S	260E	4301931251	500	Federal	GW	P
SAN ARROYO U 37	20	160S	260E	4301931252	500	Federal	GW	P
SAN ARROYO U 38	16	160S	250E	4301931253	500	State	GW	P
SAN ARROYO U 41	36	160S	250E	4301931289	500	State	GW	P
SAN ARROYO U 42	30	160S	260E	4301931290	500	Federal	GW	P
SAN ARROYO U 43	29	160S	260E	4301931291	500	Federal	GW	S
SAN ARROYO 45	20	160S	260E	4301931299	500	Federal	GW	P
SAN ARROYO 44	30	160S	260E	4301931301	500	Federal	GW	S
SAN ARROYO 49	29	160S	260E	4301931316	500	Federal	GW	P
FEDERAL 47	31	160S	260E	4301931318	500	Federal	GW	P
SAN ARROYO 1625-22O	22	160S	250E	4301931580	505	Federal	GW	S

# BEATTY & WOZNIAK, P.C.

ATTORNEYS AT LAW

216 SIXTEENTH STREET, SUITE 1100  
DENVER, COLORADO 80202-5115  
TELEPHONE (303) 407-4499  
FACSIMILE (303) 407-4494  
www.bwenergylaw.com

JENNIFER STOLDT

PHONE: (303) 407-4499  
E-MAIL: JSTOLDT@BWENERGYLAW.COM

CASPER

CHEYENNE

DENVER

SALT LAKE CITY

SANTA FE

November 21, 2013

VIA FEDERAL EXPRESS

Utah Division of Oil, Gas and Mining  
Attn: Rachel Medina  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

RECEIVED  
NOV 22 2013  
DIV. OF OIL, GAS & MINING

Re: Sundry Notices and Reports on Wells – Change of Operator (Form 9)  
Our File No.: 9517.0001

Dear Ms. Madina:

Enclosed for notice and filing please find an original and three (3) copies of the Sundry Notices and Reports on Wells, list of wells, and copies of BLM Bond No. RLB0015347 and Utah State Bond No. RLB0015348.

If you have any questions regarding the enclosed documents, please call me directly at 303-407-4459. Thank you for your assistance in this matter.

Very truly yours,

BEATTY & WOZNIAK, P.C.



Jennifer Stoldt

Enclosures  
00292177.DOCX

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached List
2. NAME OF OPERATOR: Augustus Energy Partners, LLC N3505		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 
3. ADDRESS OF OPERATOR: 2016 Grand Ave. Ste A CITY Billings STATE MT ZIP 59102		7. UNIT or CA AGREEMENT NAME: See Attached List
PHONE NUMBER: (406) 294-5990		8. WELL NAME and NUMBER: See Attached List
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		9. API NUMBER: See Attach
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		10. FIELD AND POOL, OR WILDCAT: See Attached List
COUNTY: See Attached List		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u> Effective 11/11/13
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Southwestern Energy Ventures Company, LLC will become operator of the wells per the attached list effective 11/11/2013.  
Attn: Ezra Lee  
P. O. Box 1056  
Bayfield, CO 81122  
970-884-4869  
ezra@crossfire-llc.com

Bond Coverage for operations conducted on these wells is being provided by Southwestern Energy Ventures Company, LLC in the form of a \$ 120,000 statewide Bond.

Utah State bond number LB0015348 Surety number (Letter of credit ) \_\_\_\_\_

BLM Bond Number LB0015347

NAME (PLEASE PRINT) Ezra Lee TITLE Manager

SIGNATURE [Signature] DATE 11-13-13

NAME (PLEASE PRINT) Duane Zimmerman TITLE VP Operations

SIGNATURE [Signature] DATE 11/11/13

(This space for State use only)

APPROVED

DEC 01 2013

(5/2000)

DIV. OIL GAS & MINING

BY: Rachael Medina

\* San Arroyo U40  
not moved b/c its  
a P+ A Federal well.  
(See Instructions on Reverse Side)

	Current Operator	API Well Number	Well Name	Lease #	Unit #	CA #	Entity #	Qtr/Qtr	Sec	Twnshp-Rng
1	AUGUSTUS ENERGY PARTNERS LLC	43-019-11090-00-00	SAN ARROYO U 35	891003589A	UTU63022X		500	SESW	24	16S-25E
2	AUGUSTUS ENERGY PARTNERS LLC	43-019-15885-00-00	SAN ARROYO 2	891003598B	UTU63022X		505	SENW	22	16S-25E
3	AUGUSTUS ENERGY PARTNERS LLC	43-019-15886-00-00	SAN ARROYO 3	891003589A	UTU63022X		500	SENW	23	16S-25E
4	AUGUSTUS ENERGY PARTNERS LLC	43-019-15887-00-00	SAN ARROYO 4	891003589A	UTU63022X		500	SESW	30	16S-26E
5	AUGUSTUS ENERGY PARTNERS LLC	43-019-15888-00-00	SAN ARROYO 5	891003598B	UTU63022X		505	NWSE	25	16S-25E
6	AUGUSTUS ENERGY PARTNERS LLC	43-019-15889-00-00	SAN ARROYO 6	891003598B	UTU63022X		505	SWNE	21	16S-25E
7	AUGUSTUS ENERGY PARTNERS LLC	43-019-15890-00-00	SAN ARROYO 8	891003589A	UTU63022X		500	SWSW	16	16S-25E
8	AUGUSTUS ENERGY PARTNERS LLC	43-019-15891-00-00	SAN ARROYO 9	891003589A	UTU63022X		500	NWNE	27	16S-25E
9	AUGUSTUS ENERGY PARTNERS LLC	43-019-15892-00-00	SAN ARROYO 11	891003589A	UTU63022X		500	NESW	15	16S-25E
10	AUGUSTUS ENERGY PARTNERS LLC	43-019-15893-00-00	SAN ARROYO 12	891003589A	UTU63022X		500	SWSW	23	16S-25E
11	AUGUSTUS ENERGY PARTNERS LLC	43-019-15894-00-00	SAN ARROYO 13	891003589A	UTU63022X		500	C-SW	22	16S-25E
12	AUGUSTUS ENERGY PARTNERS LLC	43-019-15896-00-00	SAN ARROYO 16	891003589A	UTU63022X		500	SESW	26	16S-25E
13	AUGUSTUS ENERGY PARTNERS LLC	43-019-15897-00-00	SAN ARROYO 17	891003589A	UTU63022X		500	NENE	24	16S-25E
14	AUGUSTUS ENERGY PARTNERS LLC	43-019-15898-00-00	SAN ARROYO 18	891003589A	UTU63022X		500	NWNW	30	16S-26E
15	AUGUSTUS ENERGY PARTNERS LLC	43-019-15899-00-00	SAN ARROYO 19	891003589A	UTU63022X		500	SWSE	14	16S-25E
16	AUGUSTUS ENERGY PARTNERS LLC	43-019-15900-00-00	SAN ARROYO 20	891003589A	UTU63022X		500	SENE	26	16S-25E
17	AUGUSTUS ENERGY PARTNERS LLC	43-019-15901-00-00	SAN ARROYO 21	891003589A	UTU63022X		500	NWSE	25	16S-25E
18	AUGUSTUS ENERGY PARTNERS LLC	43-019-15902-00-00	SAN ARROYO 22	891003589A	UTU63022X		500	NENE	15	16S-25E
19	AUGUSTUS ENERGY PARTNERS LLC	43-019-15903-00-00	SAN ARROYO 24	891003589A	UTU63022X		500	SENW	19	16S-26E
20	AUGUSTUS ENERGY PARTNERS LLC	43-019-15904-00-00	SAN ARROYO 25	891003589A	UTU63022X		500	SWNE	21	16S-25E
21	AUGUSTUS ENERGY PARTNERS LLC	43-019-15905-00-00	SAN ARROYO 26	891003589A	UTU63022X		500	SWSW	20	16S-26E
22	AUGUSTUS ENERGY PARTNERS LLC	43-019-15906-00-00	SAN ARROYO 27	891003589A	UTU63022X		500	NESW	29	16S-26E
23	AUGUSTUS ENERGY PARTNERS LLC	43-019-15907-00-00	SAN ARROYO 28	891003589A	UTU63022X		500	NWNE	29	16S-26E
24	AUGUSTUS ENERGY PARTNERS LLC	43-019-15908-00-00	SAN ARROYO 29	891003589A	UTU63022X		500	NENE	22	16S-25E
25	AUGUSTUS ENERGY PARTNERS LLC	43-019-15909-00-00	SAN ARROYO 30	891003589A	UTU63022X		500	NWSW	21	16S-26E
26	AUGUSTUS ENERGY PARTNERS LLC	43-019-16532-00-00	SAN ARROYO 1	891003598B	UTU63022X		505	SENW	26	16S-25E
27	AUGUSTUS ENERGY PARTNERS LLC	43-019-30527-00-00	SAN ARROYO 31	891003589A	UTU63022X		500	NWNW	22	16S-25E
28	AUGUSTUS ENERGY PARTNERS LLC	43-019-30528-00-00	SAN ARROYO 32	891003589A	UTU63022X		500	SWSW	14	16S-25E
29	AUGUSTUS ENERGY PARTNERS LLC	43-019-30608-00-00	SAN ARROYO 33	891003589A	UTU63022X		500	SWSW	25	16S-25E
30	AUGUSTUS ENERGY PARTNERS LLC	43-019-31251-00-00	SAN ARROYO U 36-A	891003589A	UTU63022X		500	SESE	19	16S-26E
31	AUGUSTUS ENERGY PARTNERS LLC	43-019-31252-00-00	SAN ARROYO U 37	891003589A	UTU63022X		500	SWNE	20	16S-26E
32	AUGUSTUS ENERGY PARTNERS LLC	43-019-31253-00-00	SAN ARROYO U 38	891003589A	UTU63022X		500	SWNE	16	16S-25E
33	AUGUSTUS ENERGY PARTNERS LLC	43-019-31289-00-00	SAN ARROYO U 41	891003589A	UTU63022X		500	NENE	36	16S-25E
34	AUGUSTUS ENERGY PARTNERS LLC	43-019-31290-00-00	SAN ARROYO U 42	891003589A	UTU63022X		500	NESE	30	16S-26E
35	AUGUSTUS ENERGY PARTNERS LLC	43-019-31291-00-00	SAN ARROYO U 43	891003589A	UTU63022X		500	NESE	29	16S-26E
36	AUGUSTUS ENERGY PARTNERS LLC	43-019-31299-00-00	SAN ARROYO 45	891003589A	UTU63022X		500	NWSE	20	16S-26E
37	AUGUSTUS ENERGY PARTNERS LLC	43-019-31301-00-00	SAN ARROYO 44	891003589A	UTU63022X		500	SENE	30	16S-26E
38	AUGUSTUS ENERGY PARTNERS LLC	43-019-31316-00-00	SAN ARROYO 49	891003589A	UTU63022X		500	NENW	29	16S-26E
39	AUGUSTUS ENERGY PARTNERS LLC	43-019-31580-00-00	SAN ARROYO 1625-220	891003598B	UTU63022X		505	SWSE	22	16S-25E
40	AUGUSTUS ENERGY PARTNERS LLC	43-019-31250-00-00	SAN ARROYO U 40	891003598B	UTU63022X		505	NWNE	27	16S-25E
41	AUGUSTUS ENERGY PARTNERS LLC	43-019-31318-00-00	FEDERAL 47	891003589A	UTU63022X		500	NWNE	31	16S-26E
44	AUGUSTUS ENERGY PARTNERS LLC	43-019-15884-00-00	FEDERAL 174 1	UTU126528		NW115	8340	SESW	11	16S-25E
42	AUGUSTUS ENERGY PARTNERS LLC	43-047-30765-00-00	BLACK HORSE CANYON FED 31-1	UTU14234			8345	NWSW	31	15S-24E
43	AUGUSTUS ENERGY PARTNERS LLC	43-019-11089-00-00	FEDERAL GILBERT 1	UTU0125628			8341	SWNE	11	16S-25E

	Current Operator	API Well Number	Well Name	Lease #	Unit #	CA #	Entity #	Qtr/Qtr	Sec	Twnsbp-Rng
45	AUGUSTUS ENERGY PARTNERS LLC	43-019-30570-00-00	ARCO 27-1	UTU29645			11595	NWSW	27	16S-25E
46	AUGUSTUS ENERGY PARTNERS LLC	43-019-30047-00-00	BITTER CREEK 1				515	SWSE	2	16S-25E
47	AUGUSTUS ENERGY PARTNERS LLC	43-019-30240-00-00	ARCO-STATE 2-1				520	NESE	2	16S-24E
48	AUGUSTUS ENERGY PARTNERS LLC	43-019-30241-00-00	ARCO-STATE 2-2				520	NWNW	2	16S-24E
49	AUGUSTUS ENERGY PARTNERS LLC	43-019-31162-00-00	ARCO STATE 36-7				9710	SWSE	36	15.5S-24E
50	AUGUSTUS ENERGY PARTNERS LLC	43-019-31192-00-00	ARCO STATE 36-8				9710	SWSW	36	15.5S-24E

Effective Date: 11/1/2014

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Southwestern Energy Ventures Company, LLC N4035 2154 W Eisenhower Blvd Loveland, CO 80537 970-669-7411	SWEVCO-SABW, LLC N4155 2154 W Eisenhower Blvd Loveland, CO 80537 970-669-7411
<b>CA Number(s):</b>	San Arroyo

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2014
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2014
3. New operator Division of Corporations Business Number: 8820416-0161

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
3. Reports current for Production/Disposition & Sundries: 10/27/2014
4. OPS/SI/TA well(s) reviewed for full cost bonding: 10/27/2014
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: RLB0015753
2. Indian well(s) covered by Bond Number: RLB0015753
3. State/fee well(s) covered by Bond Number(s): RLB0015799

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 11/3/2014
2. Entity Number(s) updated in **OGIS** on: 11/3/2014
3. Unit(s) operator number update in **OGIS** on: 11/3/2014
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/3/2014
6. Surface Facilities update in **RBDMS** on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 11/3/2014

**COMMENTS:**

Southwestern Energy Ventures Company, LLC to SWEVCO-SABW, LLC  
Effective November 1, 2014

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status	Unit
ARCO 27-1	27	160S	250E	4301930570	11595	Federal	Federal	GW	P	
BLACK HORSE CANYON FED 31-1	31	150S	240E	4304730765	8345	Federal	Federal	GW	P	
FEDERAL 174 1	11	160S	250E	4301915884	8340	Federal	Federal	GW	P	
FEDERAL GILBERT 1	11	160S	250E	4301911089	8341	Federal	Federal	GW	P	
ARCO STATE 36-7	36	155S	240E	4301931162	9710	State	State	GW	P	
ARCO-STATE 2-1	2	160S	240E	4301930240	520	State	State	GW	P	
ARCO-STATE 2-2	2	160S	240E	4301930241	520	State	State	GW	P	
BITTER CREEK 1	2	160S	250E	4301930047	515	State	State	GW	P	
BAR X UNIT 11	18	170S	260E	4301930592	19413	Federal	Federal	GW	S	
BAR X UNIT 25	12	170S	250E	4301931371	19414	Federal	Federal	GW	S	
BAR X UNIT 4	18	170S	260E	4301915023	19412	Federal	Federal	GW	S	
ARCO STATE 36-8	36	155S	240E	4301931192	9710	State	State	GW	S	
FEDERAL 47	31	160S	260E	4301931318	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 12	23	160S	250E	4301915893	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 13	22	160S	250E	4301915894	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 16	26	160S	250E	4301915896	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 17	24	160S	250E	4301915897	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 18	30	160S	260E	4301915898	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 19	14	160S	250E	4301915899	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 20	26	160S	250E	4301915900	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 21	25	160S	250E	4301915901	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 22	15	160S	250E	4301915902	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 24	19	160S	260E	4301915903	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 25	21	160S	250E	4301915904	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 26	20	160S	260E	4301915905	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 27	29	160S	260E	4301915906	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 28	29	160S	260E	4301915907	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 3	23	160S	250E	4301915886	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 30	21	160S	260E	4301915909	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 33	25	160S	250E	4301930608	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 4	30	160S	260E	4301915887	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 44	30	160S	260E	4301931301	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 45	20	160S	260E	4301931299	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 49	29	160S	260E	4301931316	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 9	27	160S	250E	4301915891	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 35	24	160S	250E	4301911090	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 36-A	19	160S	260E	4301931251	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 37	20	160S	260E	4301931252	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 42	30	160S	260E	4301931290	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO U 43	29	160S	260E	4301931291	500	Federal	Federal	GW	P	SAN ARROYO
SAN ARROYO 8	16	160S	250E	4301915890	500	Federal	State	GW	P	SAN ARROYO
SAN ARROYO U 38	16	160S	250E	4301931253	500	State	State	GW	P	SAN ARROYO
SAN ARROYO U 41	36	160S	250E	4301931289	500	State	Fee	GW	P	SAN ARROYO
SAN ARROYO 1	26	160S	250E	4301916532	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 11	15	160S	250E	4301915892	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 1625-220	22	160S	250E	4301931580	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 2	22	160S	250E	4301915885	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 29	22	160S	250E	4301915908	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 31	22	160S	250E	4301930527	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 32	14	160S	250E	4301930528	500	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 5	25	160S	250E	4301915888	505	Federal	Federal	GW	S	SAN ARROYO
SAN ARROYO 6	21	160S	250E	4301915889	505	Federal	Federal	GW	S	SAN ARROYO

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
SOUTHWESTERN ENERGY VENTURES COMPANY, LLC Operator #N4035

3. ADDRESS OF OPERATOR:  
2154 W. Eisenhower Blvd. CITY Loveland STATE CO ZIP 80537 PHONE NUMBER: (970) 669-7411

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See Attached

COUNTY: See Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached list of wells, transferring operations to new operator SWEVCO-SABW, LLC #N4155

NAME (PLEASE PRINT) Ezra Lee TITLE President, Southwestern Energy Ventures Comp.  
SIGNATURE  DATE 10-16-14

(This space for State use only)

APPROVED

NOV 03 2014

DIV. OIL GAS & MINING (See Instructions on Reverse Side)

BY: Rachel Medina

RECEIVED  
OCT 21 2014  
DIV. OF OIL, GAS & MINING

UTAH																										
API Well Number	Well Name	Operator	Well Status	Well Type	WI	NRI	RI	OR	Field Name/Unit #	Surface Ownership	Mineral Lease	Lease Number	County	Qtr/Qtr	Section	Township-Range	FNL/FSL		FEL/FWL		Latitude	Longitude	Elev. GR	TD	Unit #	PUMPER
OPERATED																										
Outside the Unit		SWEVCO-SABW																								
43-019-30570	ARCO 27-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	Federal	Federal	U-29645	GRAND	NWSW	27	16S-25E	1787	S	1200	W	39.3846	-109.14821	6740	5700		Chris
43-019-31162	ARCO STATE 36-7	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSE	36	15.5S-24E	540	S	1550	E	39.45341	-109.21341	8319	7945		Chris
43-019-31192	ARCO STATE 36-8	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSW	36	15.5S-24E	945	S	850	W	39.45468	-109.22361	7789	7490		Chris
43-019-30240	ARCO STATE 2-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NESE	2	16S-24E	2194	S	991	E	39.44346	-109.23015	8443	7600		Chris
43-019-30241	ARCO STATE 2-2	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NWNW	2	16S-24E	769	N	857	W	39.44995	-109.24212	7886	7250		Chris
43-019-30047	BITTER CREEK 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	State	State	ML-25151	GRAND	SWSE	2	16S-25E	395	S	2530	E	39.4387	-109.12413	7375	6658		Chris
43-047-30765	BLACK HORSE CANYON FED 31-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	BLACK HORSE CYN	Federal	Federal	U-14234	UINTAH	NWSW	31	15S-24E	1820	S	500	W	39.46736	-109.28001	8262	7910		Chris
43-019-15884	FEDERAL 174 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84875000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SESW	11	16S-25E	1285	S	2090	W	39.42669	-109.1264	6577	5299		Chris
43-019-11089	FEDERAL GILBERT 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SWNE	11	16S-25E	1700	N	1830	E	39.4329	-109.12144	7001	6200		Chris
43-019-15023	BAR X UNIT 4	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NENE	18	17S-26E	660	N	660	E	39.33379	-109.07281	5146	3599		Chris
43-019-30592	BAR X UNIT 11	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NWNW	18	17S-26E	1319	N	1285	W	39.33203	-109.08486	5200	3466		Chris
43-019-31371	BAR X UNIT 25	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064806	GRAND	NWSE	12	17S-25E	1384	S	2165	E	39.33965	-109.09684	5273	3742		Chris
San Arroyo Unit																										Chris
43-019-16532	SAN ARROYO 1	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENW	26	16S-25E	1712	N	2566	W	39.38943	-109.12453	6033	5065		Chris
43-019-15892	SAN ARROYO 11	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05059C	GRAND	NESW	15	16S-25E	1760	S	1990	W	39.41349	-109.14544	7524	6367		Chris
43-019-15893	SAN ARROYO 12	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SWSW	23	16S-25E	1140	S	1220	W	39.39734	-109.12949	6507	4731		Chris
43-019-15894	SAN ARROYO 13	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	C-SW	22	16S-25E	1320	S	1320	W	39.39783	-109.14783	7592	6260		Chris
43-019-15896	SAN ARROYO 16	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SESW	26	16S-25E	1125	S	1790	W	39.38276	-109.12746	5922	4884		Chris
43-019-15897	SAN ARROYO 17	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25243	GRAND	NENE	24	16S-25E	660	N	940	E	39.40676	-109.09956	5983	5003		Chris
43-019-15898	SAN ARROYO 18	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06023	GRAND	NWNW	30	16S-26E	660	N	990	W	39.39241	-109.09272	5778	4128		Chris
43-019-15899	SAN ARROYO 19	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSE	14	16S-25E	820	S	1610	E	39.41086	-109.12089	6305	5200		Chris
43-019-15885	SAN ARROYO 2	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-0370A	GRAND	SENW	22	16S-25E	2420	N	2430	W	39.40199	-109.14379	7752	6826		Chris
43-019-15900	SAN ARROYO 20	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENE	26	16S-25E	1360	N	170	E	39.39025	-109.11553	6855	5457		Chris
43-019-15901	SAN ARROYO 21	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	NWSE	25	16S-25E	2066	S	2340	E	39.3853	-109.1047	5878	4299		Chris
43-019-15902	SAN ARROYO 22	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011A	GRAND	NENE	15	16S-25E	1210	N	990	E	39.41968	-109.13711	6480	5500		Chris
43-019-15903	SAN ARROYO 24	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06188	GRAND	SENW	19	16S-26E	2450	N	1495	W	39.40194	-109.09106	6023	4815		Chris
43-019-15904	SAN ARROYO 25	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25244	GRAND	SWNE	21	16S-25E	1520	N	1805	E	39.40437	-109.15872	7599	5894		Chris
43-019-15905	SAN ARROYO 26	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25297	GRAND	SWSW	20	16S-26E	660	S	660	W	39.39603	-109.07543	5800	4800		Chris
43-019-15906	SAN ARROYO 27	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06021	GRAND	NESW	29	16S-26E	1990	S	2100	W	39.3851	-109.07027	5584			Chris
43-019-15907	SAN ARROYO 28	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-5650	GRAND	NWNE	29	16S-26E	660	N	1980	E	39.39225	-109.06591	5690	4260		Chris
43-019-15908	SAN ARROYO 29	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	NENE	22	16S-25E	1300	N	195	E	39.40492	-109.13429	6849	5200		Chris
43-019-15886	SAN ARROYO 3	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	SENW	23	16S-25E	1425	N	1450	W	39.40481	-109.12847	6474	5460		Chris
43-019-15909	SAN ARROYO 30	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05650	GRAND	NWSW	21	16S-26E	2600	S	900	W	39.40124	-109.05587	5481	4293		Chris
43-019-30527	SAN ARROYO 31	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	NWNW	22	16S-25E	1111	N	913	W	39.40567	-109.14907	7742	6071		Chris
43-019-30528	SAN ARROYO 32	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-																			

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: See Attached
2. NAME OF OPERATOR: SWEVCO-SABW, LLC Operator #N4155		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 
3. ADDRESS OF OPERATOR: 2154 W. Eisenhower Blvd. CITY Loveland STATE CO ZIP 80537		7. UNIT or CA AGREEMENT NAME: See Attached
PHONE NUMBER: (970) 669-7411		8. WELL NAME and NUMBER: See Attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		9. API NUMBER: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		10. FIELD AND POOL, OR WILDCAT: 
COUNTY: See Attached		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached list of wells, taking over as operator from Southwestern Energy Ventures Company, LLC #N4035

Effective date: November 1, 2014  
BLM Bond: RLB 0015753  
State Bond: RLB 0015799

NAME (PLEASE PRINT) Kellie Diffendaffer	TITLE Accounting Manager
SIGNATURE <i>Kellie Diffendaffer</i>	DATE 10/14/14

(This space for State use only)

RECEIVED

OCT 21 2014

APPROVED

NOV 03 2014

(5/2000)

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING

DIV. OIL GAS & MINING  
BY: *Rachel Medina*

UTAH																									
API Well Number	Well Name	Operator	Well Status	Well Type	WI	NRI	RI	OR	Field Name/Unit #	Surface Ownership	Mineral Lease	Lease Number	County	Qtr/Qtr	Section	Township-Range	FNL/FSL	FEL/FWL	Latitude	Longitude	Elev. GR	TD	Unit #	PUMPER	
OPERATED																									
Outside the Unit		SWEVCO-SABW																							
43-019-30570	ARCO 27-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	Federal	Federal	U-29645	GRAND	NWSW	27	16S-25E	1787	S	1200	W	39.3846	-109.14821	6740	5700	Chris
43-019-31162	ARCO STATE 36-7	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSE	36	15.5S-24E	540	S	1550	E	39.45341	-109.21341	8319	7945	Chris
43-019-31192	ARCO STATE 36-8	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	SWSW	36	15.5S-24E	945	S	850	W	39.45468	-109.22361	7789	7490	Chris
43-019-30240	ARCO STATE 2-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NESE	2	16S-24E	2194	S	991	E	39.44346	-109.23015	8443	7600	Chris
43-019-30241	ARCO STATE 2-2	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	EAST CANYON	State	State	ML-22208	GRAND	NWNW	2	16S-24E	769	N	857	W	39.44995	-109.24212	7886	7250	Chris
43-019-30047	BITTER CREEK 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.87500000	-	-	SAN ARROYO	State	State	ML-25151	GRAND	SWSE	2	16S-25E	395	S	2530	E	39.4387	-109.12413	7375	6658	Chris
43-047-30765	BLACK HORSE CANYON FED 31-1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	BLACK HORSE CYN	Federal	Federal	U-14234	UINTAH	NWSW	31	15S-24E	1820	S	500	W	39.46736	-109.28001	8262	7910	Chris
43-019-15884	FEDERAL 174 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84875000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SESW	11	16S-25E	1285	S	2090	W	39.42669	-109.1264	6577	5299	Chris
43-019-11089	FEDERAL GILBERT 1	SWEVCO-SABW	Producing	Gas Well	1.0000000	0.84500000	-	-	SAN ARROYO	Federal	Federal	U-0126528	GRAND	SWNE	11	16S-25E	1700	N	1830	E	39.4329	-109.12144	7001	6200	Chris
43-019-15023	BAR X UNIT 4	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NENE	18	17S-26E	660	N	660	E	39.33379	-109.07281	5146	3599	Chris
43-019-30592	BAR X UNIT 11	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064807	GRAND	NWNW	18	17S-26E	1319	N	1285	W	39.33203	-109.08486	5200	3466	Chris
43-019-31371	BAR X UNIT 25	SWEVCO-SABW	Producing	Gas Well					BAR X	Federal	Federal	UTSL064806	GRAND	NWSE	12	17S-25E	1384	S	2165	E	39.33965	-109.09684	5273	3742	Chris
San Arroyo Unit																								Chris	
43-019-16532	SAN ARROYO 1	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENW	26	16S-25E	1712	N	2566	W	39.38943	-109.12453	6033	5065	Chris
43-019-15892	SAN ARROYO 11	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05059C	GRAND	NESW	15	16S-25E	1760	S	1990	W	39.41349	-109.14544	7524	6367	Chris
43-019-15893	SAN ARROYO 12	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SWSW	23	16S-25E	1140	S	1220	W	39.39734	-109.12949	6507	4731	Chris
43-019-15894	SAN ARROYO 13	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	C-SW	22	16S-25E	1320	S	1320	W	39.39783	-109.14783	7592	6260	Chris
43-019-15896	SAN ARROYO 16	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	SESW	26	16S-25E	1125	S	1790	W	39.38276	-109.12746	5922	4884	Chris
43-019-15897	SAN ARROYO 17	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25243	GRAND	NENE	24	16S-25E	660	N	940	E	39.40676	-109.09556	5983	5003	Chris
43-019-15898	SAN ARROYO 18	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06023	GRAND	NWNW	30	16S-26E	660	N	990	W	39.39241	-109.09272	5778	4128	Chris
43-019-15899	SAN ARROYO 19	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSE	14	16S-25E	820	S	1610	E	39.41086	-109.12089	6305	5200	Chris
43-019-15885	SAN ARROYO 2	SWEVCO-SABW	Shut-In	Gas Well	1.0000000	0.82500000	-	0.00027708	SAN ARROYO	Federal	Federal	U-0370A	GRAND	SENW	22	16S-25E	2420	N	2430	W	39.40199	-109.14379	7752	6826	Chris
43-019-15900	SAN ARROYO 20	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-071307	GRAND	SENE	26	16S-25E	1360	N	170	E	39.39025	-109.11553	6855	5457	Chris
43-019-15901	SAN ARROYO 21	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0369	GRAND	NWSE	25	16S-25E	2066	S	2340	E	39.3853	-109.1047	5878	4299	Chris
43-019-15902	SAN ARROYO 22	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011A	GRAND	NENE	15	16S-25E	1210	N	990	E	39.41968	-109.13711	6480	5500	Chris
43-019-15903	SAN ARROYO 24	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06188	GRAND	SENW	19	16S-26E	2450	N	1495	W	39.40194	-109.09106	6023	4815	Chris
43-019-15904	SAN ARROYO 25	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25244	GRAND	SWNE	21	16S-25E	1520	N	1805	E	39.40437	-109.15872	7599	5894	Chris
43-019-15905	SAN ARROYO 26	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-25297	GRAND	SWSW	20	16S-26E	660	S	660	W	39.39603	-109.07543	5800	4800	Chris
43-019-15906	SAN ARROYO 27	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-06021	GRAND	NESW	29	16S-26E	1990	S	2100	W	39.3851	-109.07027	5584		Chris
43-019-15907	SAN ARROYO 28	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-5650	GRAND	NWNE	29	16S-26E	660	N	1980	E	39.39225	-109.06591	5690	4260	Chris
43-019-15908	SAN ARROYO 29	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	NENE	22	16S-25E	1300	N	195	E	39.40492	-109.13429	6849	5200	Chris
43-019-15886	SAN ARROYO 3	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0307A	GRAND	SENW	23	16S-25E	1425	N	1450	W	39.40481	-109.12847	6474	5460	Chris
43-019-15909	SAN ARROYO 30	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05650	GRAND	NWSW	21	16S-26E	2600	S	900	W	39.40124	-109.05587	5481	4293	Chris
43-019-30527	SAN ARROYO 31	SWEVCO-SABW	Shut-In	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-0370A	GRAND	NWNW	22	16S-25E	1111	N	913	W	39.40567	-109.14907	7742	6071	Chris
43-019-30528	SAN ARROYO 32	SWEVCO-SABW	Producing	Gas Well	0.9717655	0.80116538	-	0.00252986	SAN ARROYO	Federal	Federal	U-05011B	GRAND	SWSW	14	16S-25E	678	S	370	W	39.41066	-109.13255			

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>																				
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-31928																				
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> TIN CUP MESA																				
<b>2. NAME OF OPERATOR:</b> MAR/REG OIL COMPANY		<b>8. WELL NAME and NUMBER:</b> TIN CUP MESA 1-25																				
<b>3. ADDRESS OF OPERATOR:</b> PO Box 18148 , Reno, NV, 89511		<b>9. API NUMBER:</b> 43037306900000																				
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1950 FNL 0790 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 25 Township: 38.0S Range: 25.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> TIN CUP MESA																				
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		<b>COUNTY:</b> SAN JUAN																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">TYPE OF SUBMISSION</th> <th colspan="3">TYPE OF ACTION</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: top;"> <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b>            Approximate date work will start:  <b>4/30/2014</b> </td> <td style="vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER         </td> <td style="vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION         </td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> <b>SUBSEQUENT REPORT</b>            Date of Work Completion:         </td> <td colspan="3"></td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> <b>SPUD REPORT</b>            Date of Spud:         </td> <td colspan="3"></td> </tr> <tr> <td style="vertical-align: top;"> <input type="checkbox"/> <b>DRILLING REPORT</b>            Report Date:         </td> <td colspan="3"></td> </tr> </tbody> </table>			TYPE OF SUBMISSION	TYPE OF ACTION			<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>4/30/2014</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:				<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:				<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Request an extension to conduct remedial work. Request extension to April 30, 2015. Operator will monitor casing pressure weekly and file pressure report monthly.																						
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;"> <p><b>Approved by the</b>  <b>Utah Division of</b>  <b>Oil, Gas and Mining</b></p> <p><b>Date:</b> <u>10/31/14</u></p> <p><b>By:</b> <u>[Signature]</u></p> </div> <div style="text-align: right;"> <p><b>COPY SENT TO OPERATOR</b></p> <p><b>Date:</b> <u>11.3.2014</u></p> <p><b>Initials:</b> <u>KS</u></p> </div> </div>																						
<b>NAME (PLEASE PRINT)</b> Tariq Ahmad		<b>PHONE NUMBER</b> 775 852-7444																				
<b>SIGNATURE</b> N/A		<b>TITLE</b> Petroleum Engineer																				
<b>DATE</b> 10/29/2014																						